

## You May Be On Tape

### Video Cameras Abound at Institute, But No Institute-Wide Policies Govern Usage

By John A. Hawkinson

STAFF REPORTER

If you walk around public areas of the Institute, there may be cameras recording you.

The Department of Mathematics has video cameras in corridors and stairwells of Building 2, and there are cameras in the parking garage elevators and basement corridors of Building 32. No Institute-wide regulations govern the placement of these cameras or who has access to them. Cameras at the Institute may be intended to promote safety and security, as well as to deter theft, but they also have implications for privacy at the Institute.

In the case of Mathematics, the cameras record only from 7 p.m. to 7 a.m. and automatically delete their records after seven days.

In restricted departmental spaces of the Institute, cameras may be even more prevalent. The Department of Chemistry has 30 cameras, mostly within Building 18, and they are integrated with their card access system.

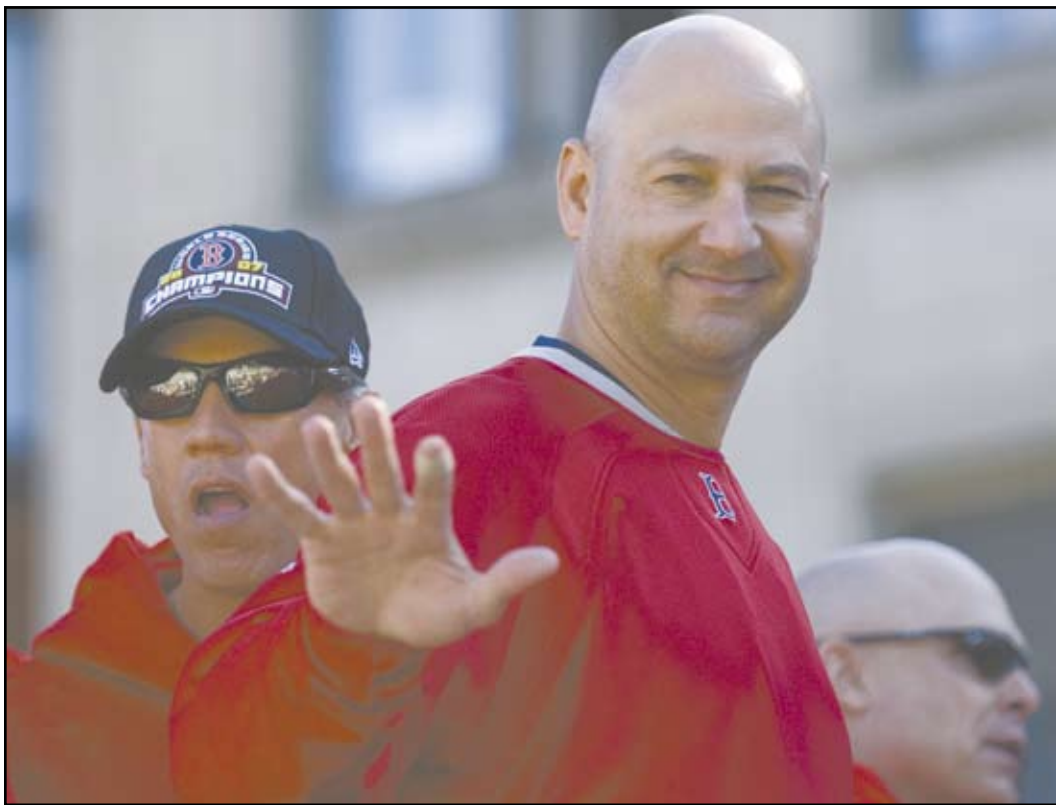
Underneath the Ray and Maria Stata Center (Building 32), as well as in parking garages around campus, cameras exist but are defunct and unmonitored. Previously they fed the Campus Police Headquarters in W31, but when the Police moved to W89 in February 2006, they did not bring the video feeds with them.

According to Thomas W. Komola of MIT's Security and Emergency Management Office, the prevalence of cameras in public spaces "is a problem."

Komola said that "all cameras should be on a unified policy" but that no such policy currently exists. Neither the Security Office nor the police have a comprehensive list of cameras on campus, and there is no good way to track them down, short of walking around campus and looking around, Komola said.

Komola said that the MIT Police and Security Office have guidelines prohibiting cameras in public spaces,

**Surveillance, Page 11**



DAVID M. TEMPLETON—THE TECH

**Red Sox Manager Terry Francona waves to the crowd during Wednesday's Rolling Rally in Boston. The rally began at Fenway Park and made its way to City Hall Plaza in Duck Boats, stopping occasionally to let star closer Jonathan Papelbon perform his now famous Irish dance. See page 15 for more photos.**

## IS&T Considers Upgrading E-Mail

### Options Weighed for Improving Calendar Service, E-Mail Reliability

By John A. Hawkinson

STAFF REPORTER

Information Services and Technology is considering revamping the MIT e-mail system to include calendaring. IS&T is also considering changing the mail system's infrastructure to include commercial products like Microsoft's Exchange server, even while expressing serious concern that those products may not scale to function adequately in MIT's demanding e-mail environment. Currently, the mail system is based on open source software, though it includes commercial devices for spam

filtering.

With seven months past since MIT's last large-scale mail system failure, there continue to be concerns that those failures could happen again. IS&T is planning to deploy more storage hardware and mail servers to alleviate the problems that led to filesystem recovery taking more than a day to complete — but those changes have not yet happened.

Concurrently, IS&T continues to look at the evolution of spam-filtering software and is piloting an evaluation of Symantec's Brightmail spam appliance with the Sloan School.

That system could eventually replace the Barracuda spam appliances that currently filter MIT's e-mail.

#### Post office and calendaring

According to Jeffrey I. Schiller '79, Network Manager, IS&T has formed a team to look at "issues and options" related to e-mail and calendaring services. Schiller expressed dissatisfaction with the TechTime calendaring service — IS&T's recommended calendar software — which does not have tight integration

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OMARI STEPHENS—THE TECH

**Dertouzos lecture series speaker Bill Dally, also chairman of Stanford University's Department of Computer Science, listens to a question from Course VI Professor Anant Agarwal (right) after his talk last Thursday, Oct. 31. In the talk, Dally argued that managing communication, rather than increasing raw horsepower, is the key to fast computation.**

## Tang Held Without Bail After Next House Stabbing

Anna L. Tang, the Wellesley College junior accused of stabbing Next House resident and ex-boyfriend Wolfe B. Styke '10, remains in prison pending a continuation of her dangerousness hearing, or bail review.

During the hearing Tuesday, prosecutors alleged that Tang ordered a crossbow less than a week before the Oct. 23 stabbing, though it arrived after the incident, according to the *Boston Herald*. A few days after ordering the crossbow, prosecutors said Tang saw Wolfe studying with a female MIT student.

Styke's hearing is scheduled to continue on Nov. 7 at 2 p.m., according to Meredith Lerner from the Middlesex District Attorney's Office, Styke's hearing is scheduled to continue on Nov. 7 at 2 p.m. Tang will be held without bail until the hearing.

Tang's defense attorney, John Valerio of Andover, did not return a call for comment.

—Nick Semenkovich

## MIT Team Qualifies for DARPA Grand Challenge

Team MIT passed the qualifying round of Defense Advanced Research Projects Agency's Grand Challenge — a competition to design an autonomous vehicle. Though past competitions have involved driving across deserts and offroad, this year's challenge is in a 60-mile urban course.

The autonomous vehicles must be able to navigate city streets, merge into traffic, deal with obstacles, and obey all California DMV rules, according to a press release from DARPA.

The urban environment seemed to prove challenging to many of MIT's peers; Team Caltech and Team Princeton did not pass the qualifying tests.

MIT's team, lead by John J. Leonard, professor of mechanical and ocean engineering, will now participate in the final challenge on Saturday, Nov. 3. For more information, including video feeds of the competition tomorrow, see <http://www.grandchallenge.org/>. For more information on Team MIT, see <http://grandchallenge.mit.edu/>.

—Nick Semenkovich

## In Short

¶ **Massachusetts Ave. will be paved** overnight on Monday, Nov. 5 and Tuesday, Nov. 6. The paving will take place from 6 p.m. to 7 a.m. between Memorial Dr. and Main St.

¶ **MIT alumna Pamela A. Melroy SM '84** is commanding the current

shuttle mission STS-120. Melroy is the first alumna to command a space shuttle mission. Also aboard STS-120 is alum Daniel M. Tani '84. The STS-120 crew is currently attempting to repair a torn solar array on the International Space Station.



Daylight saving time ends Sunday, Nov. 4 at 2 a.m. Set your clocks back one hour!



Movie review: "American Gangster" underwhelming

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# WORLD & NATION

## Less Time for Drugs May Trim Prison Rolls

By Solomon Moore  
THE NEW YORK TIMES

Crack cocaine offenders will receive shorter prison sentences under more lenient federal sentencing guidelines that went into effect on Thursday.

The U.S. Sentencing Commission, a government panel that recommends appropriate federal prison terms, estimated that the new guidelines would reduce the federal prison population by 3,800 in 15 years.

The new guidelines will reduce the average sentence for crack cocaine possession from 10 years, 1 month to 8 years, 10 months. At a sentencing commission hearing in Washington on Nov. 13, members will consider whether to apply the guidelines retroactively to an estimated 19,500 crack cocaine offenders who were sentenced under the earlier, stricter guidelines.

The changes to the original 1987 guidelines could also add new impetus to three bills in the Senate, one sponsored by a Democrat and two by Republicans, that would reduce or eliminate mandatory minimums for simple drug possession.

## Obama Promises a New Relationship With Iran

By Michael R. Gordon  
and Jeff Zeleny  
THE NEW YORK TIMES

CHICAGO

Sen. Barack Obama said he would “engage in aggressive personal diplomacy” with Iran if elected president and would offer economic inducements and a possible promise not to seek “regime change” if Iran stopped meddling in Iraq and cooperated on terrorism and nuclear issues.

In an hourlong interview on Wednesday, Obama made clear that forging a new relationship with Iran would be a major element of a broad effort to stabilize Iraq as he executed a speedy timetable for the withdrawal of American combat troops.

Obama said that Iran had been “acting irresponsibly” by supporting Shiite militant groups in Iraq. He also emphasized that Iran’s suspected nuclear weapons program and its support for “terrorist activities” were serious concerns.

But he asserted that Iran’s support for militant groups in Iraq reflected its anxiety over the Bush administration’s policies in the region, including talk of a possible American military strike on Iranian nuclear installations.

## Ambitious Everglades Rescue Is Losing Initial Momentum

By Abby Goodnough  
THE NEW YORK TIMES

MIAMI

The rescue of the Florida Everglades, the largest and most expensive environmental restoration project on the planet, is faltering.

Seven years into what was supposed to be a four-decade, \$8 billion effort to reverse generations of destruction, federal financing has slowed to a trickle. Projects are already years behind schedule. Thousands of acres of wetlands and wildlife habitat continue to disappear, paved by developers or blasted by rock miners to feed the hungry construction industry.

The idea that the federal government could summon the will and money to restore the subtle, sodden grandeur of the so-called River of Grass is disappearing, too. Supporters say the effort would get sorely needed momentum if a long-delayed federal bill authorizing \$23 billion in water infrastructure projects, including almost \$2 billion for the Everglades, were passed.

But President Bush is expected to veto the bill, possibly on Friday. And even if Congress overrides the veto, which is likely, grave uncertainties will remain.

# Stocks Tumble on CitiGroup, Consumer Spending Outlook

By Michael M. Grynbaum  
THE NEW YORK TIMES

A day that dawned bleakly on Wall Street turned even darker late Thursday as an afternoon sell-off sent the Dow Jones industrial average down more than 360 points, or 2.6 percent. Investors worried that Citigroup’s woes might be worsening and that consumers would not spend freely this holiday shopping season.

The broader Standard and Poor’s 500-stock index fell by a similar percentage, erasing the gains — and more — that followed Wednesday’s decision by the Federal Reserve to lower interest rates again.

Many investors appeared to have second thoughts about their initial reaction to the Fed’s move, focusing Thursday on the central bank’s statement suggesting that it was reluctant to reduce rates much further, even as analysts expect the economy to slow further in the next few months.

“The market came to realize that they’re not going to get any more freebies from the Fed,” said Ryan D. Larson, senior equity trader at Voyager Asset Management.

On Wall Street, traders were greeted in the morning with some

disappointing news about business prospects. A downgraded rating for Citigroup from an influential analyst, revived fears that banks still have more losses to come from the subprime mortgage collapse. And Exxon Mobil, despite soaring oil prices, reported weaker-than-expected third-quarter earnings.

Adding to the woes, Chrysler said later in the day that it would cut another 11,000 jobs, suggesting that the housing bust and higher oil prices are continuing to take a toll on the domestic auto industry.

And the Commerce Department released a report on consumer spending that, on another day, might have been mildly reassuring. While consumption continued to grow in September, investors homed in on the information that it advanced at a slower pace, underscoring fears of a fourth-quarter economic slump.

“People are getting nervous looking to the holiday season,” said Anthony Conroy, head equity trader at BNY ConvergeX Group. “People are going to be spending less because they’re paying more for oil and mortgage payments.”

The Dow industrials, which traded

about 200 points lower through much of the day, finished at 13,567.87, a loss of 362.14, or 2.6 percent. Still the index remains only 4.2 percent below its all-time high, set less than a month ago on Oct. 9.

The Standard & Poor’s 500-stock index closed down 40.94 points, or 2.64 percent, at 1,508.44. And the technology-focused Nasdaq composite index lost 64.29 points, or 2.25 percent, ending the day at 2,794.83.

Small companies fared a lot worse. The Russell 2000 index of smaller-capitalization issues dropped 32.84 points, or nearly 4 percent, to close at 795.18.

On the New York Stock Exchange, declining issues outnumbered those advancing by a margin of more than 6-to-1. Volume was a respectable 1.75 billion shares.

Steve Sachs, director of trading at Rydex Investments, said investors were now facing an uncertain outlook without the assumption of a Fed rate cut. It was a day, he said, for traders to play it safe.

“Today was nothing more than a round of profit-taking,” Sachs said. “The market’s been rallying. Why not take some off the table?”

# Administration Starts an Effort To Save Mukasey’s Nomination

By Sheryl Gay Stolberg  
THE NEW YORK TIMES

WASHINGTON

The White House began a campaign Thursday to save the candidacy of Michael B. Mukasey for attorney general, with President Bush defending the nominee in a speech and in an Oval Office interview, where he complained that Mukasey is “not being treated fairly” on Capitol Hill.

With Mukasey’s confirmation in doubt over his refusal to state a clear legal position on a classified Central Intelligence Agency program to interrogate terror suspects, Bush took the unusual step of summoning a small group of reporters into the Oval Office to preview remarks he planned to make later in the day at the Heritage Foundation, a conservative research organization here.

“I believe that the questions he’s

been asked are unfair,” Bush said. “He’s not been read into the program — he has been asked to give opinions of a program or techniques of a program on which he’s not been briefed. I will make the case — and I strongly believe this is true — that Judge Mukasey is not being treated fairly.”

The Oval Office remarks, the speech and a separate address on Thursday by Vice President Dick Cheney demonstrate just how much the White House has been caught off guard by the fight over Mukasey, a retired federal judge whose confirmation until recently seemed like a sure thing. But the effort also suggests that the White House believes it can combat criticism of Mukasey and his views by appealing to public concern about terrorism.

With leading Democrats like Sen. Charles E. Schumer of New York

giving Mukasey positive reviews at the outset, the White House had hoped to use the Mukasey nomination to mend the bitter partisan feelings left by the resignation of Bush’s former attorney general, Alberto R. Gonzales. Now Schumer says he is undecided, the top Democratic presidential candidates say they will oppose the nomination, and any hope of bipartisan support has all but been erased.

The nomination has not moved out of the Senate Judiciary Committee — the panel is expected to vote Tuesday — and the committee could decide to keep Mukasey from receiving a vote on the Senate floor.

The biggest obstacle for Mukasey is that he has refused to declare whether he believes a particularly controversial technique known as waterboarding is illegal and a form of torture.

# WEATHER

## Counterclockwise Rotation for Saturday

By Roberto Rondanelli  
STAFF METEOROLOGIST

The most interesting aspect of today’s forecast is the possibility that we will see firsthand some of the effects of Noel (officially a hurricane by yesterday at 8 p.m.). As the tropical storm transitions into an extratropical cyclone, it will weaken back to tropical storm strength, to later intensify into hurricane force winds by Saturday afternoon. By Saturday at 5 p.m., the center storm will (most likely) pass at about 150 miles from the coast of Massachusetts with some models (those with the westernmost trajectories) giving even hurricane force winds for the Cape and tropical storm winds for Boston. The exact trajectory of the storm is at this moment uncertain, but there is the potential of significant wind related disruptions for Saturday afternoon and evening, so plan your activities accordingly and stay tuned to the latest forecasts.

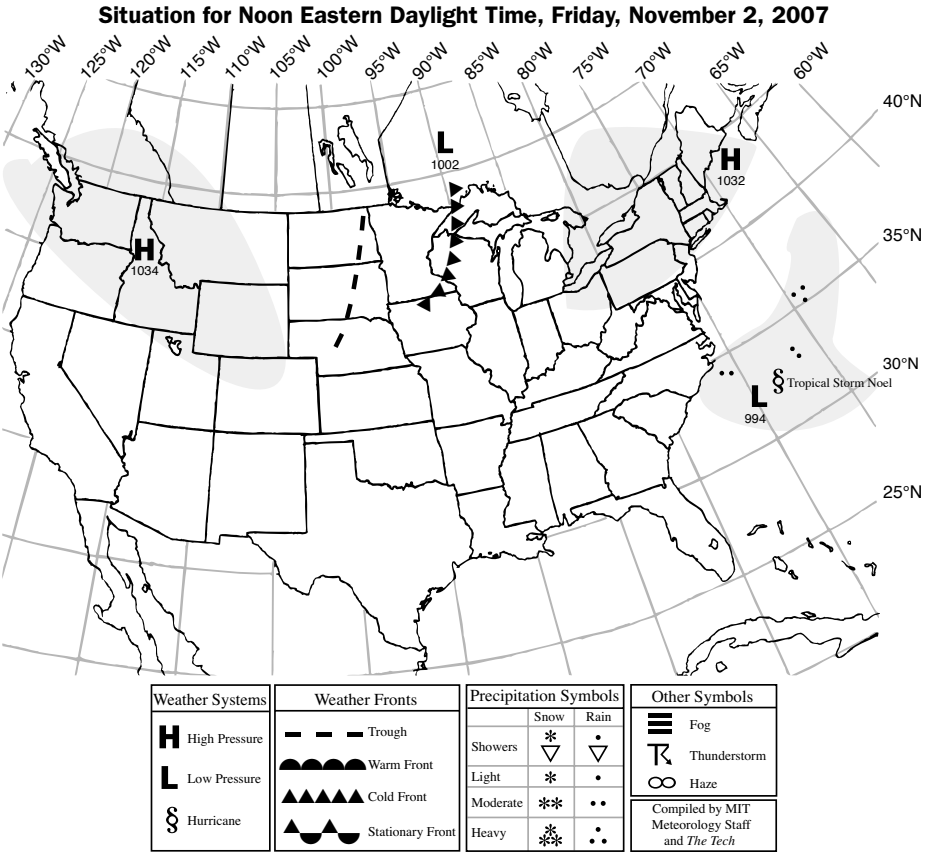
**Extended Forecast**

**Today:** Mostly clear and brisk. Low 44°F (7°C). High 55°F (13°C).

**Tonight:** Mostly cloudy. Low 43°F (6°C).

**Saturday:** Mostly cloudy and very windy. Chance of heavy rain, especially during the late afternoon. High 48°F (9°C).

**Sunday:** Weather improving rapidly after the passage of the storm. Partly cloudy. Low 40°F (4°C). High 54°F (12°C).





# Japan Ends Naval Support for Military Mission in Afghanistan

By Norimitsu Onishi  
THE NEW YORK TIMES

TOKYO  
Japan’s Defense Ministry ordered home its naval ships from the Indian Ocean on Thursday, ending for now a six-year mission in support of the war in Afghanistan that raised the nation’s military presence overseas but has recently drawn increasing criticism domestically.

A destroyer and supply ship that had been refueling warships for the United States and other nations were recalled at 3 p.m. as a special law authorizing the mission was due to expire at midnight. The government of Prime Minister Yasuo Fukuda was unable to renew the law immediately because of opposition from the Democratic Party, which seized control of Parliament’s upper house in a landslide election victory during the summer.

The United States had urged Japan to extend the refueling mission which, while largely symbolic, provided important diplomatic support for Washington. The mission, based on a “special anti-terrorism law,” constituted pacifist Japan’s main con-

tribution to the Bush administration’s global campaign against terrorism.

Fukuda’s government has introduced a new refueling bill in Parliament and could yet use its control of the lower house to override the opposition’s objections and begin the mission again.

“To eradicate terrorism in solidarity with the international community, our country must fulfill its responsibility by continuing the refueling mission by all means,” Fukuda said in a statement.

But even if the government succeeded with that strategy — a potentially unpopular one, given that the public is divided over the naval deployment — the refueling mission would not resume for several months.

The law’s expiration underscored the current political deadlock in Japan. The governing Liberal Democratic Party suffered a devastating loss over the summer because of former Prime Minister Shinzo Abe’s mishandling of bread-and-butter issues. His subsequent abrupt resignation on Sept. 12 created a political vacuum that made it impossible to

renew the special law before the Nov. 1 deadline.

Ichiro Ozawa, the leader of the opposition Democratic Party, has vowed to use his grip on the upper house to force Fukuda to dissolve the lower house and call a general election. Fukuda does not have to call a general election for two more years, but the opposition can effectively shut down the government by blocking this Afghanistan bill and others.

Analysts predict that Fukuda may call a general election in the spring after passing the next budget, which needs only the more powerful lower house’s endorsement.

While the refueling mission has become tied up in electoral politics, the opposition’s objections also reflect a deeper disagreement over Japan’s foreign policy. This time the debate has not been over whether Japan should participate in overseas missions, but how.

Ozawa, who has long advocated dispatching Japanese troops overseas in U.N.-led missions, has argued that Japan should not unilaterally back the United States.

# Islamic Militants Draw New Front Line Inside Pakistan’s Swat Region

By Jane Perlez  
THE NEW YORK TIMES

PESHAWAR, PAKISTAN  
For much of the last century, the mountainous region of Swat was ruled as a princely kingdom where a benign autocrat, the wali, bestowed schools for girls, health care for everyone and the chance to get a degree abroad for the talented.

Now the region is the newest front line in the battle between Islamic militants, who are sympathetic to the Taliban and al-Qaida, and Pakistan’s nervous security forces. For the first time, heavy fighting has moved beyond Pakistan’s tribal fringe and into more settled areas of the country.

On Thursday, government forces backed by helicopters attacked about 500 militants in the area, killing about 60 men, said Badshah Gul Wazir, the home secretary for the North West Frontier province. The militants said they had captured 44 members of the Frontier Corps and were holding them hostage.

The battles are part of what has become an expanding insurgency within Pakistan, aimed directly at the government of Gen. Pervez Mush-

arraf rather than at the NATO and American forces across the Afghan border who have been the target for several years.

Many here say the militancy is fueled by anger over the government alliance with the Bush administration and what is seen as a pro-American agenda that has grown in prominence with the return of the opposition leader Benazir Bhutto. She has accused the militants of trying to take over the country.

The conflict in Swat reflects many of the reasons Pakistan has become such a dangerous place in recent years: the aggressiveness of the militants; the passivity of the government and its security forces; the starved civilian apparatus, including schools and hospitals, which has failed to provide the backbone for a counterinsurgency strategy. So grave is the threat that more than 2,000 Pakistani soldiers were dispatched to quell the militants in the Swat area in July. But for three months, they were intimidated and mostly inactive. Reinforcements sent last week were hit by a suicide bomber who killed 17 paramilitary soldiers. That provoked

the government action on Thursday.

The widening intimidation by the militants takes many forms. Two days after the suicide attack, the heads of two members of the Frontier Constabulary were paraded through the dusty streets of Matta, a village about 20 miles north of Saidu Sharif, the capital of Swat.

Grim messages accompanied the heads. They called the soldiers allies of the U.S. and threatened to behead anyone else who sided with the Americans, according to Peshawar residents who had received news from relatives in the Frontier area, which is too dangerous for foreign journalists to visit.

Since the clashes began last week, schools have been closed, a vital polio vaccination campaign for children has been abandoned and police posts have been left empty, residents said. Lawlessness rules, by their accounts.

“The militants control about 10 percent of the territory” of the North West Frontier Province, where Swat is situated, said Sher Muhammad, a lawyer who lives both close to Swat and also in Peshawar, where he was interviewed.

# London Police Faulted in 2005 Killing Of Brazilian Citizen on Subway Train

By Julia Werdigier  
THE NEW YORK TIMES

LONDON  
London’s police force on Thursday was found guilty of putting the public at risk during a flawed counterterrorism operation in 2005 that led to the killing of an innocent Brazilian electrician on a subway train.

The Metropolitan Police force was fined \$364,000 and \$800,000 in legal costs for breaching health and safety laws as police officers pursued and killed the man, Jean Charles de Menezes, 27, who they thought was a suspect in a failed suicide bombing attempt.

It is the first time that health and safety legislation has been applied in connection with a counterterrorist police operation.

The verdict angered some human rights groups and opposition politicians and renewed calls for the resignation of Sir Ian Blair, the commissioner of London’s police force.

On July 22, 2005, in an operation prosecutors described as chaotic, the police officers wrongly identified de Menezes as one of four men who had

tried to detonate bombs on London’s transport system the day before. Two weeks before that attempt, four bombers killed themselves and 52 others on the transit system.

The officers followed de Menezes into a subway train in Stockwell, in south London, and shot him seven times in the head in front of horrified passengers.

The police made a “shocking and catastrophic error” and endangered the public, prosecutors told the jury on Thursday at the Old Bailey, or Central Criminal Court, first by allowing someone they suspected to be a suicide bomber to board the subway train and then by shooting him.

“It was the result of fundamental failures to carry out a planned operation in a safe and reasonable way,” said the prosecutor for the trial, Clare Montgomery.

Ronald Thwaites, a lawyer for the police force, contended that a health and safety prosecution was a sign that there was not enough evidence to charge any individuals with murder or manslaughter. He said de

Menezes was shot because of his own behavior, taking actions police officers are trained to identify as those of a possible suicide bomber about to detonate.

The police acknowledged that the operation had gone far wrong but denied breaking any laws.

De Menezes’ family pressed for the resignations of officers in charge of the operation, but the jury cleared individual officers and instead ruled Thursday that the organization as a whole was responsible.

Blair, who had come under pressure to resign over the shooting, said on Thursday that he would stay on because the case had not uncovered any evidence of “systemic failure.”

Blair called de Menezes’ death a tragedy and said the police had apologized many times to his family and friends. He added that “the difficulties shown in this trial were those of an organization struggling, on a single day, to get to grips with a simply extraordinary situation.” He said he would consider whether the conviction meant that any operating practices should be altered.

## Colbert Off the Ballot In South Carolina

By Katharine Q. Seelye  
THE NEW YORK TIMESGREENVILLE, S.C.

Stephen Colbert’s nascent and satirical presidential campaign came to an abrupt end on Thursday when the Democratic Party in South Carolina decided he was not serious and turned down his application to get his name on the primary ballot.

South Carolina is the only state where Colbert, the comedian and a native South Carolinian, had sought to get on the ballot. He did not try getting on the Republican line, which would have cost \$35,000. A space on the Democratic ballot costs \$2,500, which Colbert had paid by Thursday’s deadline.

But Carol Fowler, chairwoman of the state Democratic party, said the party’s executive council determined that he did not meet two basic requirements: that he be generally acknowledged as a viable nationwide candidate; and be actively campaigning for the South Carolina primary. The council voted 13-3 against certifying him.

“The council really agonized over this because they really like him, they love his show and everyone thinks it’s wonderful that he cares about us,” Fowler said. Colbert is the host of “The Colbert Report” on Comedy Central.

His check will be returned, she said. Supporters of Colbert’s candidacy have said it cast an amusing and revealing eye on the hype and folly of presidential politics and could bring younger voters into the process. But it also drew critics, who said the candidacy was a self-promotional distraction that was draining news media time and attention away from a serious campaign.

## Israel Destroys Seven Gaza Tunnels

By Isabel Kershner  
THE NEW YORK TIMESJERUSALEM

The Israeli military said on Thursday that its forces had discovered seven tunnels running under the border between Egypt and the Gaza Strip.

Army officials said that the tunnels were used by Hamas to smuggle militants in and out of the Gaza Strip, and that they were part of the group’s “weapons supply mechanism.” The tunnels were subsequently blown up, they said.

A Hamas representative in Gaza acknowledged on Wednesday that the group brought in weapons through tunnels. The underground passages also serve a thriving black market in goods like cigarettes, which have become scarce because of severe Israeli restrictions on imports since the Hamas takeover of the Gaza Strip in June.

Tensions have risen in recent days. On Thursday morning, Palestinian militants fired nine rockets toward Israel, an army spokeswoman said. One damaged a building in the Israeli border town of Sderot, she said.

The Israeli air force fired at militants who were launching rockets in northern Gaza toward Israel, and Israeli ground forces shot at two groups of militants in the south.

In all, 10 Palestinians were wounded, according to news reports. Late Wednesday, the Israeli military released video of Gaza militants firing mortar rounds from the yard of an elementary school in the northern town of Beit Hanoun on Monday morning.

## Work Starts on Minneapolis Bridge Replacement

By Christina Capecchi  
THE NEW YORK TIMESMINNEAPOLIS

Three months after the Interstate 35W bridge collapsed, construction of a replacement began here on Wednesday.

The rebuilding follows a judge’s rejection of a request for a restraining order to halt the work. Judge Edward J. Cleary of District Court in Ramsey County ruled that it was in the state’s best interest to proceed with the construction.

He criticized the Minnesota Transportation Department for not disclosing how it had selected the contractor, saying the state had “cloaked the decision in secrecy.”

The department, Cleary wrote, “should have felt secure enough in its selection to allow for a legitimate protest, making all information that led to the selection available to the unsuccessful contractors prior to the execution of the contract.”

Two construction executives have sued, challenging the fairness of the contract with Flatiron-Manson, a joint venture of Flatiron Constructors of Colorado and Manson Construction of Florida that Minnesota hired for the new bridge.

## Job Cuts at Chrysler Go Even Deeper Than Expected

By Micheline Maynard  
THE NEW YORK TIMESDETROIT

Over the last two years, the three American auto companies have vowed that their plans to slash nearly 80,000 jobs and close more than two dozen plants would be enough to transform them into leaner and nimbler competitors.

But the housing bust and soaring oil prices have forced Chrysler and General Motors to make another round of surprising cuts, with no guarantees that these will be the last.

On Thursday, Chrysler announced it would eliminate 11,000 hourly and salaried jobs in the United States and Canada, and cut shifts of workers at five plants. The decision comes on top of a plan, announced in February, to eliminate 13,000 jobs and close a factory in Newark, Del.

Taken together, Chrysler will be reducing its 2006 work force of about 80,000 employees by 30 percent.

General Motors also recently said that it would eliminate shifts at three assembly plants in Michigan. The moves, announced after GM union workers approved their new contract, will likely cut 3,000 jobs, though GM has not confirmed the total. Two years ago, GM announced 30,000 job cuts as part of a broad restructuring.

“It does take one’s breath away to realize that the auto industry in the U.S., having gone through so much turmoil and so many rounds of cuts, is going through them yet again,” said Michael Useem, a professor of management at the Wharton School of the University of Pennsylvania.

OPINION



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Corrections

The Oct. 30, 2007 news article, “City Councillors Seek New 2-Year Terms in Cambridge Elections,” reported the wrong date for this year’s Cambridge City Council elections. The elections will be held Tuesday, Nov. 6.

Because of an editing error, the headline for the Oct. 30, 2007 news article on fifth-week flags gave an inaccurate number. As reported in the article itself, 233 freshmen received flags this year, not 266 as listed in the headline.

A page 1 caption of a Red Sox World Series celebration photo misspelled the name of one of the performers. The correct spelling of the student on the left is Stash Wyslouch.

Letters To The Editor

Cambridge Election Coverage Lacking

Thank you very much for providing coverage on the upcoming Cambridge City Council election (“City Councillors Seek New 2-Year Terms in Cambridge Elections,” Oct. 30, 2007). It is quite important to engage the MIT community in expressing its preferences for those who will lead the City of Cambridge for the next two years. It is unfortunate that *The Tech* seems to have decided that the race for School Committee is not worth covering in the same manner. In fact, the quality of life for graduates students and faculty members with school age children is affected deeply by the quality of the Cambridge Public Schools, and voters should take just a much care in voting for School Committee as in voting for City Council. It is my hope that all MIT affiliates who are Cambridge voters will vote their preferences on Tuesday, Nov. 6.

There is one factual error in *The Tech*’s City Council article. Anthony Galluccio is running for reelection in the sense that his name will appear on the ballot, but once he was elected to the State Senate in a special election earlier this fall, he announced that he would not serve on the City Council, thereby freeing up his seat. Many Cantabrigians wish

that Tim Toomey would have come to the same decision years ago.

J. Mark Schuster PhD '79  
Professor of Urban Cultural Policy

On Intellectual Imprisonment

The decision of James Watson to resign his longtime post as Chancellor of the Cold Spring Harbor Laboratory confirms a sad truth: It is presently difficult, if not impossible, to have a reasonable discussion on most issues of consequence. The dilution of our discourse, and the atrophy of our minds that has attended it, have come of the efforts of numerous individuals and organizations. In the aftermath of Sept. 11, 2001, elements of the right have accused those who ask the United States to examine its own misdeeds of betraying their country and allying with those who would do it harm. Elements of the left continue to decry those who challenge us to objective examinations of gender, race, and sexuality as sexists, bigots, and homophobes. Examples of this defamation, a veritably non-partisan enterprise, are all too easily found.

John Stuart Mill noted, 150 years ago, the plight of those who hold marginal opinions:

“In general, opinions contrary to those commonly received can only obtain a hearing by

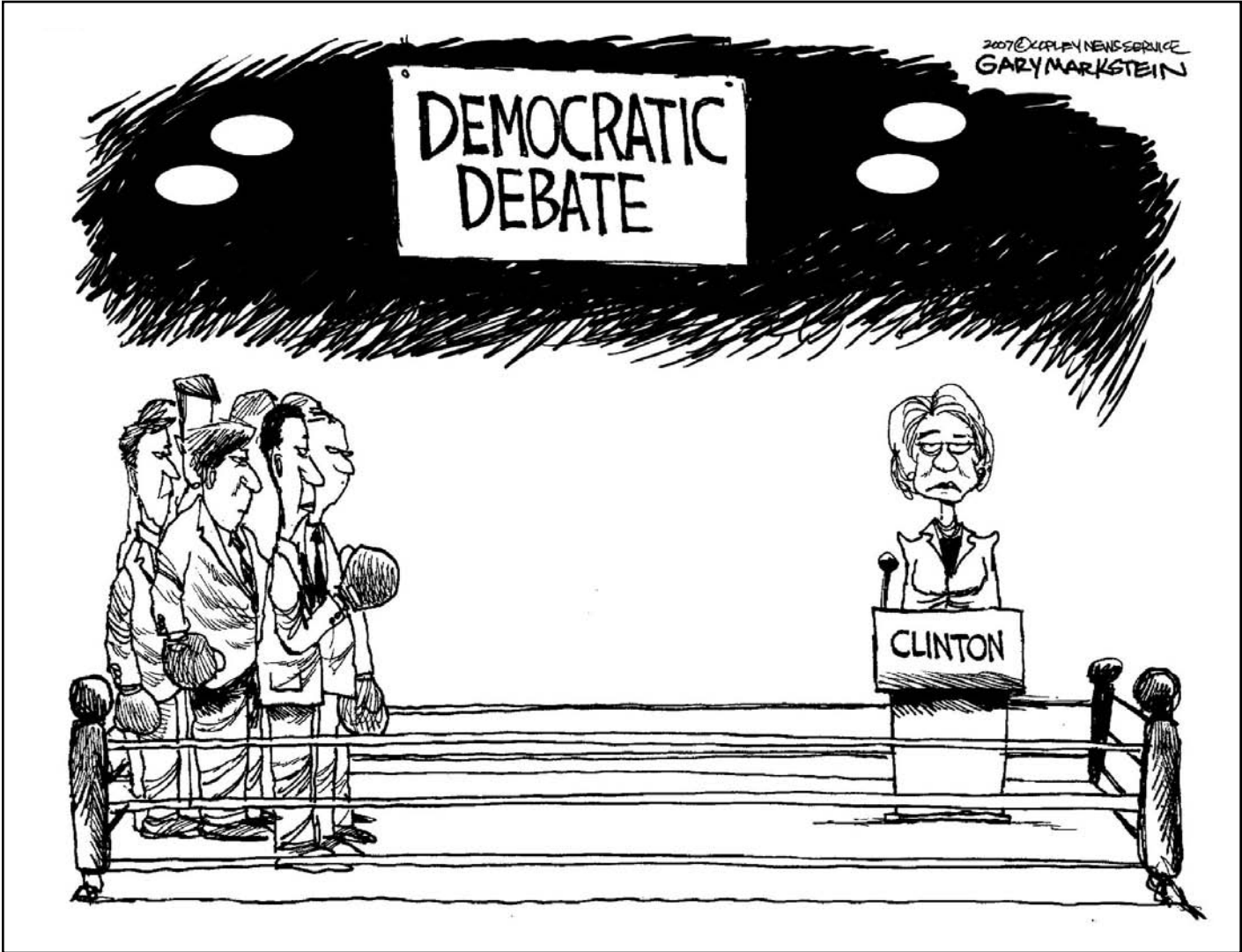
studied moderation of language, and the most cautious avoidance of unnecessary offense, from which they hardly ever deviate even in a slight degree without losing ground: while unmeasured vituperation employed on the side of the prevailing opinion, really does deter people from professing contrary opinions, and from listening to those who profess them.”

Mill would have been horrified by the prescience of his insight. Now, far more than in his time, the professed desire to introduce civility into discourse is more often than not an attempt to maintain the privilege of powerful interests.

We submit ourselves to norms of discourse (which have come to be known collectively as political correctness) that we reject as individuals. That behavior — society’s acceptance of the very intellectual imprisonment that its members condemn without a moment’s equivocation — must rank among the most vexing paradoxes of our times.

Only sustained, conscientious effort on the part of those who recognize political correctness’ destructive consequences can reverse the damage that it has wrought. Speak with prudence but never acquiesce to those who would intimidate you into silence. After all, the critic of political correctness who says nothing is as detrimental to the cause of free thought as the organs of power that enforce it.

Ali S. Wyne '08



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ARTS

CONCERT REVIEW

Journey Through a Mythological Forest

A Night With the New England Philharmonic

By Roberto Perez-Franco  
STAFF WRITER

New England Philharmonic  
Directed by Richard Pittman  
Kresge Auditorium  
Saturday, Oct. 27, 2007

Leave it to the New England Philharmonic and its director, Richard Pittman, to come up with a bold program. Living up to the adventurous reputation that has repeatedly earned them awards and accolades in the recent past, they prepared a unique program for their Oct. 27 program held in Kresge Auditorium at MIT.

The program opened with *Tapiola*, believed to be the last orchestral work by Sibelius. An heir of the landscaping tradition of Fingal’s Cave, Sibelius’ tonal poem describes the forest of Tapio, home of the Finnish forest god in mythology, through music and emotion. Using recurring themes, exemplified in the mellow section of strings at the beginning of the piece, Sibelius transfused his score with a vision of

discovery, awe, and contemplation of the ancient trees and lively inhabitants of the forest.

A very original work, in the unmistakable style of Sibelius (reminiscent of his *Valse Triste* at times), the poem contains subtle hints of Rimsky-Korsakov in the exquisite, playful orchestration. While walking through the musical woods conjured by Sibelius, I could not help but think that recordings can seldom capture the richness and depth of a life performance. The audience recognized Pittman’s sophisticated understanding of the spirit behind Sibelius’ vision of this mythological kingdom with a heartfelt round of applause.

The triumph of the night, however, was Mahler’s *Lieder eines fahrenden Gesellen* (Songs of a Travelling Journeyman). The pieces in this song cycle, Mahler’s first, have a common theme: the pains of a broken heart, widely believed to be inspired by a lost love of the composer himself.

During the performance, Pittman requested that the lights of the auditorium be made more bright so that the audience could follow the

original German text — or the accompanying English translation — of the four poems. David Kravitz’s clean, warm voice proved capable of endowing Mahler’s alter-ego with the full spectrum of emotions required for the four movements: a deeply melancholy tone in the first lied or song; a powerful freshness in the more joyous, hopeful second lied; a darker, more tragic third lied; and the tearful, heart-broken final lied. The two middle lieder were the most convincing, due to the immaculate union of director, orchestra, and baritone as a single musical entity. *Ging heut’ morgen übers Feld*, with its adoration of Nature, a clear tribute of Mahler to Beethoven’s *Pastorale* in the way it evokes scenes from the countryside, is a true jewel. The sharply contrasting, quite Wagnerian *Ich hab’ ein glühend Messer* gave Kravitz a chance to show his powerful voice.

After an intermission, the audience was treated to a premiere performance of *Cryptic Circle*, a symphonic piece by Carl Christian Bettendorf. Born in 1973 in Germany, Bettendorf currently studies composition at Columbia University. *Cryptic Circle* was co-winner in the 2007–2008 “Call for Scores” from a pool of around 120 submissions. The piece captures the composer’s impressions while visiting a Stonehenge-like megalithic complex, “The Ring of Brodgar,” off the coast of Scotland. In Pittman’s words, the opening fanfare reverberates throughout the piece, describing a circular theme similar to the monument, and after a number of extended sections in one pitch, ends in a stormy climax.

The work, heavy on the sudden, sharp use of brass and percussion, displays the typical dissonance, and the uncertain, shy interventions of strings so characteristic of post-Stravinsky works. Noteworthy was the innovative use of a piano, where the performer would pull the strings directly from the harp inside the piano box. Interestingly, silence was also a color in Bettendorf’s palette. *Cryptic Circle* is contemporary in the sense that, having come after classical composers had already described human dreams, it is left to describe only our nightmares and fears. After the paroxysmal finale, the young composer, who had been sitting unassuming among the audi-

ence, humbly approached the scenario to receive the warm applause of those present.

Director Pittman closed the night with a work by MIT’s very own John H. Harbison, the Pulitzer Prize winner composer trained at Harvard and Princeton, who currently holds a professorship at the Institute. Harbison, who is currently working on his Fifth Symphony, was absent against his will, due to an unforeseen commitment with PBS.

Instead of selecting some of Harbison’s better known and safer works, such as his chamber pieces, Pittman presented us with his *Symphony No. 1*; a bold choice given that first symphonies are seldom transcendental, with few glorious exceptions such as Brahms’ works. The symphony has an interesting structure: it starts with a dissonant fanfare, a woodwind chorale, and a romantic melody in the first movement, followed — as Pittman puts it — by what is possibly the shortest scherzo of any symphony in the very Mendelssohnian second movement, a third dominated by a quartet of low instruments, and a jazzy, distinctly American final movement. I listened carefully to the procession of very deep, smooth sections — where winds lead the melody over a canvas of strings ensemble — and the contrasting, strident attacks of the full orchestra. The brief, adagio parts are among the best of the symphony, while the furious orchestration of the fourth movement, reminiscent of Copland, felt a little too amorphous, especially towards the brutal, aggressive finale.

If music reflects the soul of the composer, and at least in part the zeitgeist surrounding him, then Saturday’s program of the New England Philharmonic Orchestra made a point out of how times have changed. The contrast between the more melodic first half of the program and the second, ultra-modern half, is dramatic. Pittman’s grasp of Bettendorf and Harbison accurately communicates the anguish and the absurd that characterize our times through pieces that were clearly not written for the lovers of pre-Ravel music. Their purpose, it seems, is not to move the heart, but to shock it into reason; not to entertain the mind, but to warn it of reality, a reality of fear, struggles and agony over power.



Music Director Richard Pittman conducts the New England Philharmonic orchestra as it performs in Kresge Auditorium on Saturday, Oct. 27.

CONCERT REVIEW

Small Turnout, Grand Entertainment

Bubeck and Smith Deliver Vigorous Jazz to an Audience of Few

By S. Balaji Mani  
Charles Bubeck and Daniel Ian Smith with John Baboian, Victor Belanger, and Brooke Sofferman  
Killian Hall  
Friday, Oct. 19, 2007

Two Fridays ago, I took advantage of one of the numerous arts events that take place on our very own campus. You don’t have to go very far to discover a new performance at MIT — just check the MIT arts newsletter. I was surprised when a handful of my arts-inclined friends didn’t even know such a newsletter existed. Killian Hall (14W-111) serves as a home to many local performers, and Charles Bubeck and Daniel Ian Smith are no strangers to the intimate and cozy performance space we’re blessed with at MIT.

At around 7:30 p.m., when the show was scheduled to start, a small sampling of older women seated in the first couple of rows were chatting; they were evidently the wives and friends of the performers. I took a seat in the very front (the best way to see jazz is up close and personal), studying the stage set up and instrumentation. I knew I was seeing a quintet — vibraphone (Charles Bubeck), saxophone (Daniel Ian Smith), guitar (John Baboian), upright bass (Victor Belanger), and drums (Brooke Sofferman). After about 15 minutes, three more undergraduates joined the audience, dispersing themselves in the back half of the space; two of them were from Berklee College of Music.

Sadly, the MIT community missed an extremely entertaining and rich showcase of forward-thinking compositions. Smith, clearly the leader and voice of the group, introduced the band and kicked right into “Where or When,” one of his own compositions. The quintet, led by Bubeck and Smith, just recently released a record under the Big and Phat Jazz Productions label. At the show, they played through the whole record, save for the last song which Smith swapped for a tune he wrote for his wife, called “My Silent Song.”

Since I haven’t had too many encounters

with the vibraphone in my past experiences with jazz, I was impressed by Bubeck’s stage presence and also his playing and ability to shift in and out of a hierarchy of instruments. He colored the sections of the songs that needed decoration, and pulled out when necessary.

The chemistry between Bubeck and Smith, friends since their undergraduate days, was apparent. The two traded solos seamlessly, and Smith was always smiling and chuckling as Bubeck became more absorbed in the vibraphone. Baboian, on guitar, was a little too far back in the mix. Physically, his amp was placed back against the far wall. He also sat down to play, which detracted from his presence, and as a guitar player myself I wanted to hear more of him. When you could hear him, though, it was obvious that he drew a lot of influence from Pat Metheny — their tones are almost identical. On “Bossa Baboian / King Gypsy,” two back-to-back Baboian compositions, he really stood out as he introduced the two-part suite with an astounding guitar passage that indicated some classical guitar training.

I was pleased with the drumming of Brooke Sofferman, whose eyes were closed during the majority of the set, and found him to be an integral member of the onstage personality of the group. On “Big John’s Song,” Sofferman introduced polyrhythms, triplets, and time signature changes that prompted a mid-song response from Smith, who smiled and encouraged Sofferman to keep going. After the song, he turned to Sofferman and exclaimed, “You gotta do more of that stuff!”

The only member I wasn’t too impressed with was Victor Belanger, who is also a member of the MIT staff. Undoubtedly Belanger is an accomplished bass player and soloist, yet the amplified tone of his bass stuck out and muddled up the lower half of his notes. Dur-

ing solos, it was apparent that either the group didn’t pay too much attention to the tone of Belanger’s bass, or that they were satisfied with an average sound. At times it sounded too tinny and trebly, completely lacking the essence of the upright bass.

The song that stood out most in the set was a Smith composition, “A Light From the Clouds.” This song, 12 minutes on CD and almost 15 minutes live, began with a droning, ambient introduction. Smith blew air through his sax, merely hinting at notes every so often, and Baboian took advantage of his volume pedal to swell in and out of haunting chords. Visually, Sofferman was most adept at conveying these ominous sounds — he moved his hands back and forth between cymbals, dragging the ends of his sticks across the bell to produce screeching and hissing sounds. Bubeck made use of the sides of his vibraphone, beating them with an assortment of sticks. While stuck in a trance, I suddenly noticed that at some point the musicians drifted from these ambient noises to structured melodies. The song evolved and built upon itself — a totally organic success on stage and on the new record.

In the days after the show, I had the opportunity to speak with Bubeck and Smith via e-mail to discuss the show and their future as a quintet. “I will say that in spite of the size of the crowd, it was an incredibly enthusiastic audience and I’d like to believe that is the result of the music we shared,” said Smith, now a professor at Berklee. “I’ve played concerts for hundreds of people that weren’t as enthusiastic. ... We play this music for the music, not for the numbers that show up.” I wondered if his status as a professor affected his musical career: “Actually, since I started teaching in Boston, my professional performing career has blossomed. My academic background opens doors to other performance

opportunities in different parts of the world.”

Bubeck, while not an academic professor at a university, still finds an opportunity to instruct interested students. “[I teach] private students — piano [and] drums. I also teach the jazz band at our local high school.” The accomplished percussionist, who cites Bobby Hutcherson, Sonny Rollins, and Lee Morgan as his musical influences, said he would “love to do another record [with the current quintet]. The chemistry is great.”

Smith agreed, offering that “everyone has an opportunity to contribute compositions to the repertoire, which certainly keeps things fresh and makes everyone feel like they have an equal role in the quintet.” That is probably what is most surprising (and pleasing) about the quintet’s latest record: though directed by Bubeck and Smith, the diversity of all the different composers elevates the level of intensity and emotion on the album.

When prompted about jazz in the mainstream, Smith was wise and straightforward: “I can only hope that today’s listeners will open their ears and souls to [jazz], as much of today’s ‘pop-music’ is pretty low on the musical content scale. It’s much more image and hype driven ... Blood, Sweat, and Tears and Chicago are great examples of mainstream pop groups that always have had a foot in the jazz idiom given instrumentation, harmonic, and melodic content, and ... improvisation built in to their compositions.”

Though Bubeck and Smith had been talking about developing such a project for a long time, it took them almost 20 years to finally establish the quintet that performed in Killian two weeks ago. Several trips between Washington, D.C. and Boston allowed Bubeck and Smith to trade compositions, rehearse with each other, and develop a relationship that strengthened and solidified the current lineup and repertoire.

As Smith proudly mentioned, “I’ve performed and recorded at MIT many times over the last 15 years.” If he comes back, though, I hope I’m not the only one there to enjoy the show.

The chemistry between Bubeck and Smith, friends since their undergraduate days, was apparent. The two traded solos seamlessly.



## MOVIE REVIEW ★★ 1/2

# Sorry to Disappoint

'American Gangster' Does Not Live Up to Potential

By Waseem S. Daher

STAFF WRITER

American Gangster

Directed by Ridley Scott

Written by Steven Zaillian, based on an article by Mark Jacobson

Starring: Denzel Washington, Russell Crowe, Chiwetel Ejiofor, Josh Brolin, Ruby Dee

Rated R

Now Playing

Underwhelming. Despite its star-studded cast, "American Gangster" fails to deliver. Its story — based on a feature in *New York Magazine* — chronicles the rise and fall of Frank Lucas (played by Denzel Washington), a shrewd and intelligent 1970s Harlem heroin operation mastermind. Lucas climbs his way to the top when he imports heroin directly from Southeast Asia, rather than working through the usual channels, offering a better product at cheaper prices. Inspired by the Mafia's model, he brings his family up from North Carolina to run the operation, and he is extremely successful. That is, until Richie Roberts (Russell Crowe), seemingly the only honest cop in all of New York and New Jersey, is assigned to investigate the case.

Clocking in at a rather long 157 minutes, it's clear that "Gangster" needed a bit more time in the editing room. The plight of the detective, Roberts, lacks the oomph of Lucas's storyline. Roberts gains infamy among his fellow police officers when he and his partner discover a bag with \$1 million in unmarked bills in the trunk of a drug dealer's car. Instead of pocketing the cash, as any of the others would have done, Roberts turns the money in. This move makes him an outcast, ostensibly because none of the other officers will trust him to keep their under-the-table goings-on silent. This alienation is furthered by the death of his partner, himself a

drug junkie, and by the pending divorce between him and his wife. Of course, the wife gets the child, and Roberts is left alone and miserable, with nothing but his job and sense of justice. Said another way: stock hero detective character. In what is purportedly a gangster film, Roberts's sappy monologue about his child and estranged wife seems out of place.

That said, in the relevant and interesting portions of the film, Crowe has no problem in the tough cop role, and sails by easily. Washington is the classy yet humble gangster par excellence, but also does a great job capturing our inherent conflict with the character of Frank Lucas — he's extremely likeable, and we want to like him, but he's also a drug dealer and criminal, responsible for countless deaths. The writing, directing, and Washington's performance do not absolve Lucas fully, and we're (rightly) left with the hint of a bitter taste in our mouths when Lucas is able to parlay his cooperation with the law into a reduced sentence.

Ruby Dee, in her limited screen-time role as Lucas's mother, also delivers a solid performance. Most impressive, though, is Josh Brolin's performance as Detective Trupo, a corrupt New York City cop. Brolin oozes cockiness, pragmatism, and cynicism in just the right proportions: he's despicable and sleazy, but it's not over-the-top.



COURTESY OF UNIVERSAL STUDIOS

Gangster Frank Lucas (played by Denzel Washington) names names to outcast cop Richie Roberts (Russell Crowe) in the true juggernaut success story of a cult hero from the streets of 1970s Harlem in "American Gangster."

Visually, the film does a good job of reproducing the look-and-feel of 1970s New York, in its sets and costumes, including a true-to-form reproduction of a Muhammad Ali-Joe Louis fight night at Madison Square Garden (not that I was there to speak to this first-hand). As far as the cinematography is concerned, don't expect any convention-shattering shots here. That said, the film isn't entirely guns, explosions, Denzel Washington in nice suits, and Russell Crowe kicking ass; interposed throughout the film are

some fairly graphic short scenes of drug use and drug overdoses.

All told, "American Gangster" is not bad but does not live up to its potential. An Oscar-winning cast and a gripping story should yield something that is more exciting than the final product we are left with. Scott's take on a domain dominated by giants like Scorsese and Coppola falls short; while "American Gangster" is passable, it's no "Godfather." I'd pass on this and see a classic instead — you'll thank me later.

## CONCERT REVIEW

# Beautiful Music Imported From Sweden

Jens Lekman Is Absolutely Precocious

By Charles Lin

STAFF WRITER

Jens Lekman

Paradise Club

Monday, Oct. 29, 2007

<http://www.jenslekman.com/>

Jens Lekman was magical. Every moment he was on stage, the room seemed to get brighter and happier. Even though Paradise Lounge was packed to the gills, a gentle harmony effused through the room. The crowd danced side by side, and no one seemed to mind the throngs of hipsters pushing their way up front. It must've been the Jens Lekman effect.

Dressed in a white shirt with an embroidered rose, Jens Lekman sang and smiled, gracious, it seemed, for every song he was allowed to perform. A cadre of perfectly Swedish ladies accompanied him with horns, drums, and strings. Clad in matching white outfits, they were the most precocious band ever (eat your heart out Belle and Sebastian). Everyone on stage was simply adorable, especially when they all danced in step and did the airplane during one of the tunes. I wanted to take them all

with me to have them play music as I do everyday things, just to cheer me up.

Jens Lekman's music is so earnest, so heartfelt; it is almost hard to stomach. I thought initially that I wouldn't last two hours of the stuff, but then every song was a change of pace, a change of style. As a composer and writer, he's a thief and a shape shifter. He moved from Motown inspired ballads to emotional Morrissey-ish narratives and then brought it all home with silly happy/sad songs that were whimsical tear-jerkers. Musically, he was all over the place, shifting from '60s bass driven doo-wops laced with horn fills to beat driven baroque lounge pieces. His voice was the only constant: a sweet baritone shielded between harmonizing strings and horns. At times he was alone on stage crooning lyrical narratives about Spanish love interests over sparse chords.

Jens Lekman might still be stuck in child-

hood. As he performed, he played on his words, belted paeans to the lady that cuts his hair, and gave undue attention to ditties that he remembers from growing up. He seemed struck by the notion that he's even remotely well known — that people actually like his musings-turned-music. This is after all, a guy who, in response to his first hit record, attempted to take an extended hiatus to be a Bingo announcer.

But this night Jens Lekman was in Boston, playing a second encore and complimenting the crowd on how well they stomped. As he started the last tune, only two bars in, a girl screamed, "Yes!!!!!" and he was immediately taken aback with a wide grin.

Jens Lekman is probably the kind of guy you can e-mail, and he will respond personally and enthusiastically. "He is," corrects my buddy Gordon, who did e-mail him. Gordon invited him to visit the Urban Planning Department

at MIT. Although Jens had other commitments, he replied nonetheless, saying something to the effect of, "Urban planning. Does that make you feel like a God?"

Jens Lekman is a God. OK, that's a stretch. But maybe he qualifies as a minor deity of melody. His set included some of the most beautifully constructed pop tunes ever. Like many pop wunderkinds (Sufjan Stevens, Zach Condon, for example), he has an uncanny knack for orchestration. The arrangements were deftly fleshed out with just enough strings, horns, and samples to give them abundant life without hitting a sonic wall of clutter.

More important than even the music, Jens Lekman seemed to really enjoy himself on stage. I don't think I've ever seen a musician radiate that much happiness from the microphone stand. It's contagious. It streams from the notes and chords. It certainly doesn't seem like he could do this every other night, but somehow, he does. If he could play all night, he probably would. He's like a perpetual energy machine. Yes. There, I've said it. Jens Lekman breaks the second law of thermodynamics. He is an escalating hyperbole. He is one hell of a show.

*Jens Lekman's music is so earnest, so heartfelt; it is almost hard to stomach. ... Every song was a change of pace, a change of style.*

## CONCERT REVIEW

# Violin Virtuoso Tells Musical Tales

Itzhak Perlman Performs at Symphony Hall

By Joyce Kwan

STAFF WRITER

Itzhak Perlman

Boston Celebrity Series

Symphony Hall

Sunday, Oct. 28, 2007

Last weekend, I saw Itzhak Perlman, the Israeli-American violinist and conductor, perform live. It was the first time I'd seen him live, although I grew up listening to recordings of his playing, and I was not disappointed. The concert, part of the Boston Celebrity Series, had Symphony Hall packed with people eager to see a living legend of classical music.

After the lights dimmed, Perlman promptly appeared on the stage. Stricken with polio at age four, he had to walk across the stage to his seat with the aid of crutches while the pianist, Rohan de Silva, carried his violin. The situation had a slightly poignant effect on the audience,

but no matter. After some expert plucking of the strings to check for pitch, Perlman began filling the concert hall with his trademark lush, generous tone.

The program began with Bach's *Sonata No. 3 in E Major* for violin and piano, a piece, quite honestly, that I had not heard before. The opening movement, a slow and rich Adagio, indicated to the audience that a master had arrived. Perlman played it simply, without the romanticism that characterizes (or tarnishes) much of Bach these days. Instead, he reminded me of a grandfather singing his observations in a take what you will manner. An Allegro, another Adagio, and another Allegro followed in that order. The second Adagio had a similar quality

to the first while the fast movements rang with a joviality that made me want to dance.

Next was Strauss's *E-flat Major Sonata*, a piece full of bipolar passions. That Perlman's intonation was suspect in the higher registers of the violin did not affect his ability to pull my heartstrings. Other minor flaws occurred, such as blurred passages, but Perlman nonetheless pulled the piece off more convincingly compared to numerous versions I have heard.

After intermission, I was still somewhat emotionally exhausted from the Strauss, so I was reluctant to sit down for another emotional journey. Schumann's *Fantasy Pieces*, however, was just perfect for my state of mind.

*Perlman played the opening movement simply, without the romanticism that characterizes (or tarnishes) much of Bach these days.*

Unlike the virtuosic and almost confrontational Strauss, this piece had a reflective and dreamy quality. Perlman sounded most comfortable in this piece, drawing the audience into Schumann's mind, which, although often tormented, must have contained unimaginable beauty.

The final portion of the concert consisted of Perlman announcing a series of short encore pieces. One would imagine these pieces, mostly written or transcribed by Fritz Kreisler, one of the pillars of virtuosic violin playing in the twentieth century, to be played for entertainment in a drawing room. Yet, through these pieces, Perlman conjured an intimate air that pervaded the grand hall. Hardly any of these pieces are performed in concert these days, let alone in Symphony Hall, but they reminded me of why Perlman has captivated me since childhood — that is, he lacks pretension and is dedicated to play the violin for the sake of good tunes.

CONCERT LISTINGS

November Concerts

Some great (and cheap) concerts coming to you in the Boston area this November. Special interest shows are noted with stars. Send listing suggestions for this month and the future to [arts@tech.mit.edu](mailto:arts@tech.mit.edu).

Monday, Nov. 5

*Blues Traveler (with Lisa Bouchelle)*  
*Paradise Rock Club, 18+, \$25*

Maybe you haven't followed them since the mid '90s, but I assure you, they're up to good things. I saw them a couple years ago at a secret post-Jammys show; John Popper's unbelievable vocals and virtuosic scatting had to be one of the most impressive performances I've ever seen.

Friday, Nov. 9

*Menomena (with Illinois) \**  
*Paradise Rock Club, 18+, \$13*

Three's a charm, and this dynamic trio hardly suffers from extraneous wheel syndrome. Watch six hands juggle basses, keys, guitars, drums, saxophones, and bass pedals. You can bet your bottom dollar that I'll be at this show, and the one on Saturday night in New York City, too. Also, check out magnificently fun pop rock group Illinois (reviewed in this issue of *The Tech*) opening up the night.

Saturday, Nov. 10

*Kevin Devine*  
*T.T. the Bear's Place, 18+, \$12*

At some point in time, all of my friends started going to see every Kevin Devine show ever. They swear by his acoustic guitar skills — check him out for yourself and let me know if you agree.

Monday, Nov. 12

*Final Fantasy (with Cadence Weapon)*  
*The Middle East (Upstairs), 18+, \$9adv/\$10dos*

Toronto native Owen Pallett, well known for his work with Arcade Fire, Grizzly Bear, Stars, and Beirut, fronts this group on violin and vocals, which he loops indefinitely to create live songs.

Battles

*Paradise Rock Club, 18+, \$15*

This experimental math rock band strangely gains a following and goes on to play all over the world, much to this reviewer's chagrin.

Monday, Nov. 13

*Broken Social Scene*  
*Paradise Rock Club, 18+, \$25*

Everyone's favorite Canadian 19-piece supergroup plays Kevin Drew's new solo album *Spirit If ...* in full.

Thursday, Nov. 15

*Dax Riggs (with Beaten Awake)*  
*The Middle East (Upstairs), 18+, \$9*

The former Acid Bath frontman has broken it off creatively with former swamp rockin' bandmate Tessie Brunet and is currently touring solo to support his latest release, *We Sing of Only Blood or Love*.

Wednesday, Nov. 21

*Malajube \**  
*The Middle East (Upstairs), 18+, \$9*

Quebecois and francophone pop rockers infectious play out in support of their catchy 2006 album *Trompe-l'oeil*. Those sticking around for Thanksgiving break should make it out to this show for a night of guaranteed fun.

Saturday, Nov. 24

*Dinosaur Jr. \**  
*Paradise Rock Club, 18+, \$20*

Though they now ally more with the first half of their name than the last, who can resist the unbeatable combo of J Mascis and Lou Barlow together again, playing as though they can stand one another?

Sunday, Nov. 25

*Sondre Lerche (with Dan Wilson)*  
*Paradise Rock Club, 18+, \$16.50*

I prefer this Norwegian musician's rock numbers to his acoustic tunes, but, like it or not, Lerche's playing unplugged. And either way, I like it; I really like it.

Thursday, Nov. 29

*Dragons of Zynth (with Holy Fuck) \**  
*The Middle East (Upstairs), 18+, \$9adv/\$10dos*

Check out my (glowing) review of DOZ at <http://www.tech.mit.edu/V127/N33/cdreviews.html>. Electro-pop openers Holy Fuck may have a NSFW title, but their dark disco tracks are delectable. Make sure to get their album on OiNK — oh, wait.

—Sarah Dupuis

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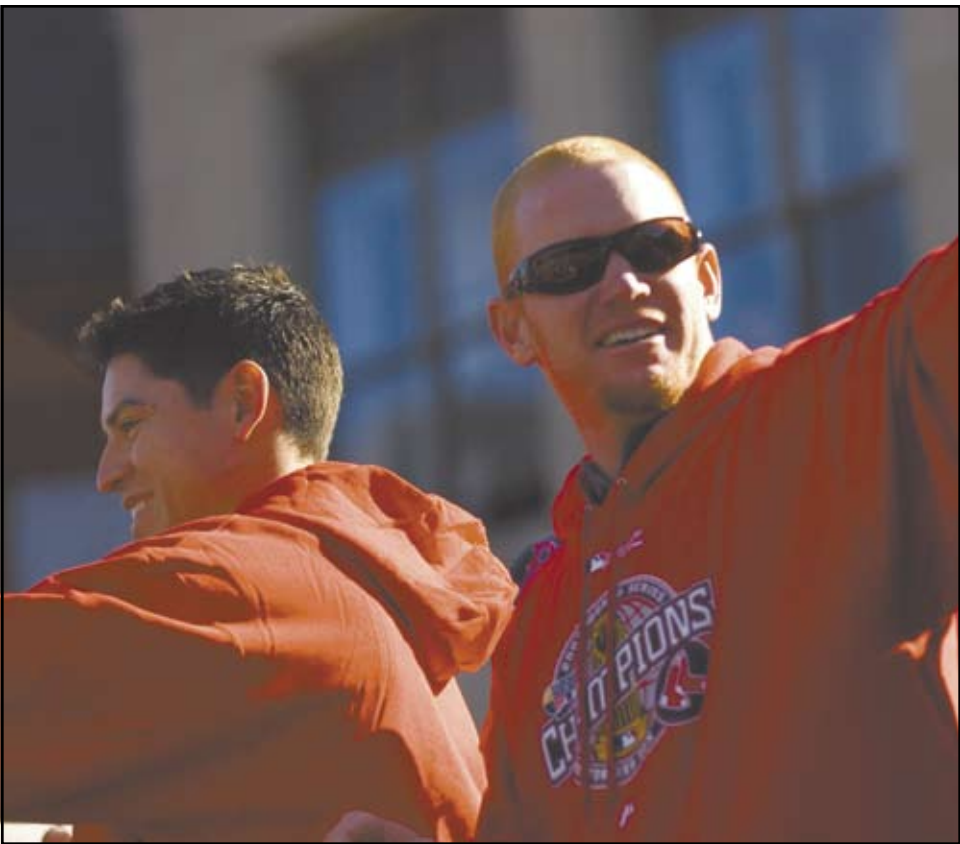
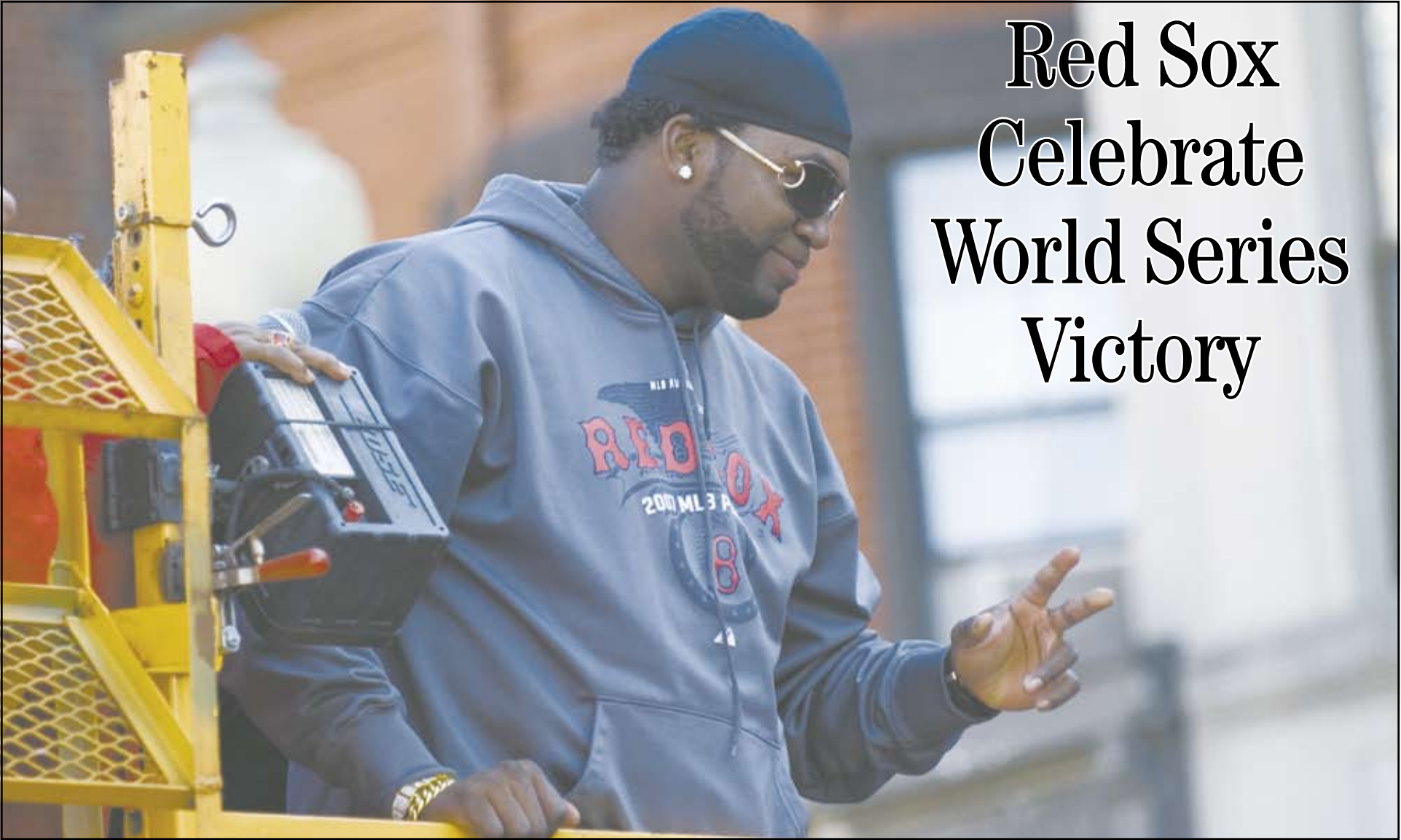
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(clockwise from above)

Thousands of fans line Boylston St. eagerly trying to see the 2007 World Champion Red Sox

Sox Designated Hitter David Ortiz waves to fans during Wednesday's Rolling Rally. The rally began at Fenway Park and made its way to City Hall Plaza in Duck Boats, stopping occasionally to let star closer Jonathan Papelbon perform his now famous Irish dance.


The 2007 World Champion Red Sox head down Boylston St. during Wednesday's Rolling Rally.

Red Sox Outfielders Jacoby Ellsbury (left) and Bobby Kielty greet fans.

Photography by David Templeton








DIANA YE—THE TECH

**Drag Kings Bill Dagger (Mattie Richardson) and Corn Bread (Patricia Hemphill) perform in a skit about nerd-jock love at the “Too Hot to Handle” lecture and demonstration featuring their all-black drag king troupe Nappy Grooves on Oct. 31.**

*The Tech’s* production department’s bird of the day is



the male mallard  
(*Anas platyrhynchos*)

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# Nightline

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# IS&T Plans to Improve E-Mail Reliability

**E-mail**, from Page 1

with e-mail clients.

The servers in MIT's mail system that store received e-mail and are directly accessed by users are called post office servers. The post office servers currently use open-source software called Cyrus, developed at Carnegie Mellon University.

Schiller said that several of the software products being looked at might support both post office and calendaring functionality.

The spreadsheet of options IS&T has been considering includes the open-source software Cyrus and Zimbra as well as commercial software from Microsoft (Exchange 2007), Scalix, and Oracle. IS&T is

also considering outsourcing the management of mail systems to external parties like Google and Microsoft.

Schiller said that "we haven't chosen a technical direction at this point" and that IS&T would be "approaching members of the community to get their input."

Schiller expressed worries about running a mail system infrastructure based on Microsoft's Exchange server. "To build something [to the] scale of MIT, how many Exchange servers do we have to have? Are we really going to have three people [dedicated to supporting the mail system]?"

## March failure could happen again

In March 2007, the post office server `po14.mit.edu` suffered a catastrophic failure that left thousands of users without access to their e-mail for several days. IS&T diagnosed the problem as architectural: the file storage systems associated with the post office servers were too large. In the event of a failure, the filesystem recovery software took over a day to run, without any evidence that it would ever complete.

Mark V. Silis '99, who manages network services for IS&T, said that the failure from March could very well happen again. Silis said that IS&T had been planning the evolution of the mail system for some

time and had taken delivery of a new storage server. IS&T had hoped to transition to it "in the coming month or so," Silis said.

According to Schiller, the new storage server would be configured with 500 gigabyte filesystems, rather than the current 1,000 gigabyte filesystems. With the smaller filesystems, Schiller said, he expects the filesystem recovery software to take 90 minutes in the event of a failure, rather than the longer-than-one-day recovery that was experienced in March.

Schiller also said that by automatically purging users' spam e-mail from the mail servers every 21 days, IS&L had been able to reduce the number of files in each filesystem, which would hopefully have a dramatic effect on filesystem verification time. Schiller said that though he wouldn't want to run the filesystem recovery tool, "it probably would terminate in finite time."

Schiller said that no tests had been done to measure the speed of filesystem recovery but that it would be possible to do such tests.

## Spam filtering

MIT's spam filtering has been based on a spam-filtering "appliance" from Barracuda Networks since August 2006. During that time, Schiller said, there have been periodic problems with the Barracuda devices, generally requiring manual updates to their firmware in response to a new style or kind of spam activity. One of the benefits of the Barracuda devices was supposed to be their automatic updates to respond to changes in spam.

IS&T has been testing another spam filtering technology: Symantec Brightmail Anti-Spam. Silis said that IS&T had partnered with the Sloan School to test the Brightmail system on the sloan.mit.edu e-mail system, and that while "there is no definitive plan right now," they would evaluate future directions for campus spam filtering at the end of the calendar year.

Schiller noted that one of the advantages of the Barracuda system is that pricing is per-appliance. The Brightmail system is priced per-user, and could well be cost-prohibitive for the entire MIT e-mail system. "We are in negotiation" over pricing, Schiller said.

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## Solution to Sudoku

from page 13

## Solution to Crossword

from page 13

A	S	K	S		L	A	I	C		S	E	R	I	F	
R	A	N	T		U	N	D	O		E	V	A	D	E	
T	R	I	O		S	T	E	M		D	O	Z	E	N	
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# Math and Chemistry Cameras Recording; Stata Nonfunctional

**Surveillance**, from Page 1

but there is little enforcement of those guidelines. If a department proposes a camera, the police and Security Office may help with funding, as long as the camera is in a private location. Cameras are sufficiently cheap that the lack of funding assistance from the police is probably not a real deterrent to their deployment in public spaces.

Daniel L. Michaud of the Security Office said that MIT has no formal video surveillance policy. No directly pertinent policies appear in MIT's Policies and Procedures, available on the Web at <http://web.mit.edu/policies/>.

Komola said he thought the lack of policy and accounting for cameras on campus was a real problem and that the faculty and administration needed to be approached on these issues, but there was no time frame for improving the situation.

## Mathematics Department

The Department of Mathematics maintains four cameras within Building 2. Two of those cameras point at a stairwell in the southeast corner of the building near Memorial drive, on the first and second floors. There is also a camera at the end of the hallway near lecture hall 2-190, as well as in the main second floor corridor.

According to Paula F. Duggins, administrative officer for Mathematics, the cameras record overnight from 7 p.m. to 7 a.m. daily, and they are motion-activated. The cameras record over the network, Duggins said, and video records are kept for one week and automatically deleted. Only Mathematics system administrators have access to the videos, Duggins said.

Duggins said that department's cameras were installed in March 2006 in response to several break-ins during 2005. They have "acted as a substantial deterrent to equipment theft, as well as providing our community with a measure of personal safety," Duggins said.

## Stata Center, parking garages

When the Stata Center was built in 2004, video cameras were installed pointing at emergency telephones in the basement, in parking garages, and in elevators serving the parking garages.

Who watches those cameras? According to MIT Police Captain David Carlson, "Nobody."

Carlson said that when the Campus Police moved their headquarters from Building W31 next to the Student Center out to W89 on the west edge of campus, they evaluated the cost of bringing the video feeds with them and elected not to move the video feeds. "I can't recall a situation off the top of my head where they were ever used," Carlson said.

Carlson said he was concerned that the presence of unmonitored cameras might raise a false sense of security. "I think the intent is to remove the cameras," he said.

Carlson will be heading up operations for the Campus Police when Chief John DiFava moves to co-head Facilities effective Nov. 5.

## Chemistry Department

The Department of Chemistry maintains a comprehensive array of 30 cameras throughout Building 18, as well as a handful of cameras in departmental space in Buildings 4 and 18.

According to Scott R. Wade, who handles operations for the department, Chemistry Department's cameras were installed in 2004 as part of a comprehensive card-access system. Wade said that the card access and camera system together cost about \$650,000, and the project was funded by the office of then-Execu-

tive Vice President John R. Curry.

Chemistry's cameras are generally pointed at card access devices and record footage continuously to digital video recorders, Wade said. The footage is recorded for 14 days. Wade said he thought the cameras had been a useful deterrent to theft.

But even Chemistry's cameras that cover their departmental spaces can intrude into public areas: one of Chemistry's cameras overlooks the nitrogen tanks outside the northeast corner of Building 18 and may record passers-by walking in the thoroughfare between Buildings 18 and 56.

# Hello, India? I Need Help in Math

By Steve Lohr

THE NEW YORK TIMES

Adrianne Yamaki, a 32-year-old management consultant in New York, travels constantly and logs 80-hour workweeks. So to eke out more time for herself, she routinely farms out the administrative chores of her life — making travel arrangements, hair appointments and restaurant reservations and buying theater tickets — to a personal assistant service, in India.

Kenneth Tham, a high school sophomore in Arcadia, Calif., strives to improve his grades and scores on standardized tests. Most afternoons, he is tutored remotely by an instructor speaking to him on a voice-over-Internet headset while he sits at his personal computer going over lessons on the screen. The tutor is in India.

The Bangalore butler is the latest development in offshore outsourcing.

The first wave of slicing up ser-

vices work and sending it abroad has been all about business operations. Computer programming, call centers, product design and back-office jobs like accounting and billing have to some degree migrated abroad, mainly to India. The Internet, of course, makes it possible, while lower wages in developing nations make outsourcing attractive to corporate America.

The second wave, according to some entrepreneurs, venture capitalists and offshoring veterans, will be the globalization of consumer services. People like Yamaki and Tham, they predict, are the early customers in a market that will one day include millions of households in the United States and other nations.

They foresee an array of potential services beyond tutoring and personal assistance like health and nutrition coaching, personal tax and legal ad-

vice, help with hobbies and cooking, learning new languages and skills and more. Such services, they say, will be offered for affordable monthly fees or piecework rates.

"Consumer services delivered globally should be a huge market," observed K.P. Balaraj, a managing director of the Indian arm of Sequoia Capital, a venture capital firm in Silicon Valley.

But globalization of consumer services faces daunting challenges, both economic and cultural. Offshore outsourcing for big business thrived partly because the jobs were often multimillion-dollar contracts and the work was repetitive. In economic terms, there were economies of scale so that the most efficient Indian offshore specialists could become multibillion-dollar companies like Infosys Technologies, Tata Consultancy Services and Wipro Technologies.

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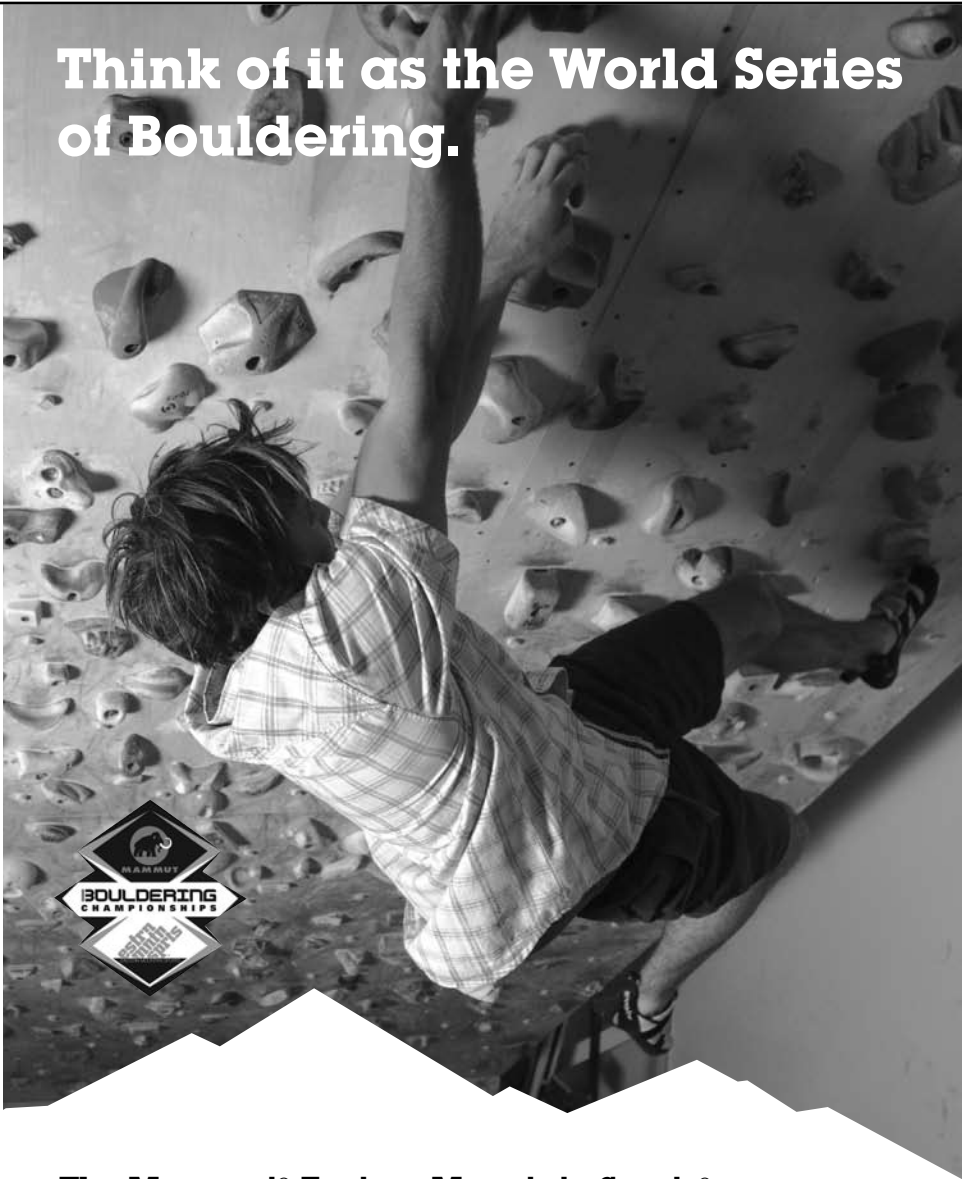
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**UMOC Donations as of Thursday, Nov. 1**

Candidate	Charity	Total
Miriam A. "Mish" Madsen '09 Condom Needler "If you don't vote for me, I'll sabotage your contraceptives."	Doctors Without Borders	\$121.98
An individual running under the name "Talia Winters" High Priestess of the Campus Crusade for Cthulhu "Sinfully Tentacular."	Transition House for Women	\$63.66
Adalberto "Nicolas" N. Garza '10 "Pro-Abortion. Because Life and Choice are both wrong."	Planned Parenthood	\$28.43
Those Damn Spammers All the participants of the most recent series of campus-wide flame-wars. "Helping developing countries learn everything there is to know about Vlad the Impaler."	One Laptop Per Child	\$28.41
Jasmine R. Florentine '11 MIT Dead Kitten Society "Cute things are tasty!"	Massachusetts Society for the Prevention of Cruelty to Animals	\$28.31
Natalia N. Chernenko '08 Pagan/Witch — President of the Pagan Students Group "Do not vote for me."	Charles River Watershed Association	\$18.69
Evelyn M. Mervine G Co-President of MIT Atheists, Agnostics, and Humanists "No Hell Below Us, Above Us Only Sky."	James Randi Educational Foundation	\$12.08

SOURCE: EKATERINA KUZNETSOVA '09, UMOC COORDINATOR

**Voting for UMOC ends today at 5 p.m. in Lobby 10. MIT community members may vote by placing money in the jars of their favorite candidates. An awards ceremony will be held in Room 1-135 at 7:15 p.m.**

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- Blair Hull, founder of **Hull Trading** (acquired by **Goldman Sachs**), legendary trader featured in the book "The New Market Wizards"

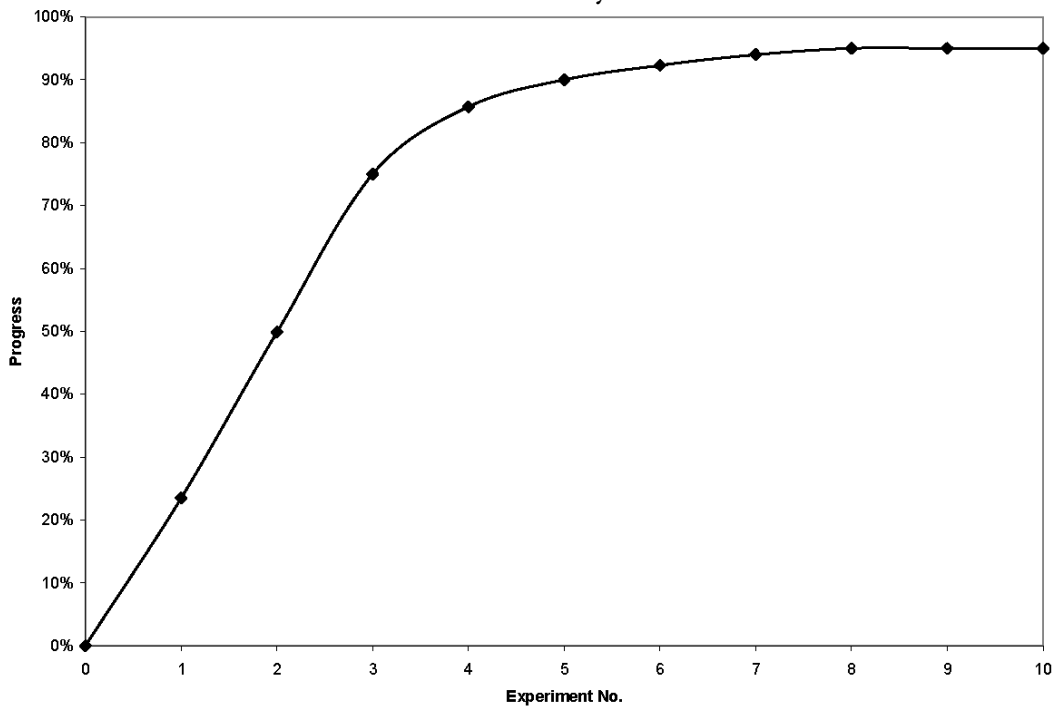
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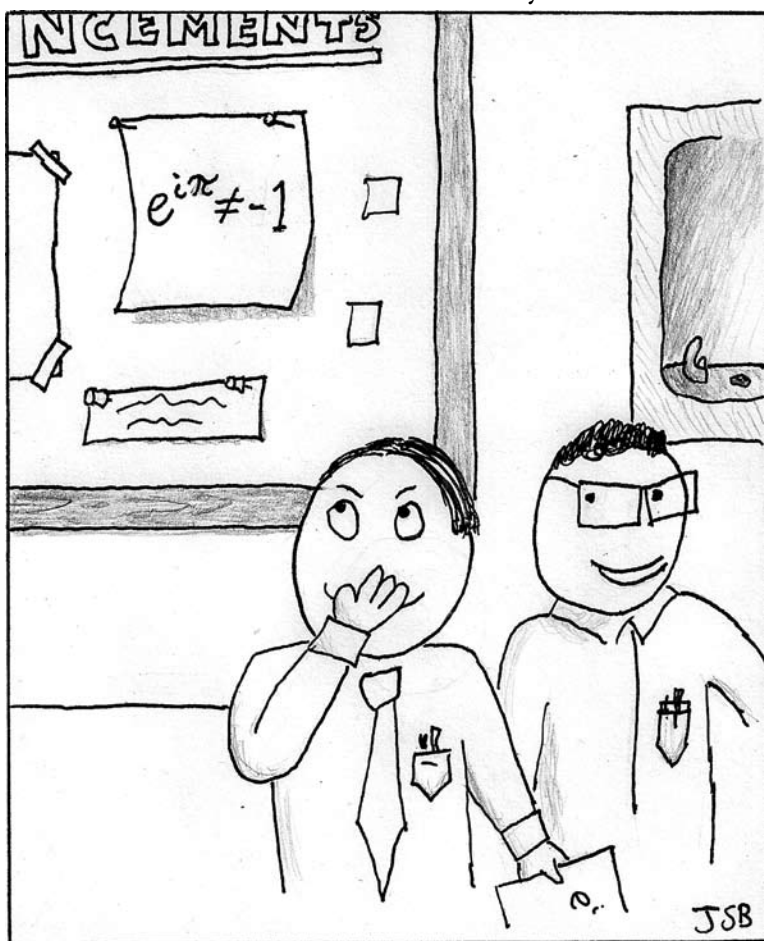
by Daniel Klein-Marcuschamer



**Figure 19.** The graph illustrates the relative progress as a function of the number of times an experiment is repeated (a graph of progress vs. hours of work follows the same trend). As shown in the figure, progress in experimental science obeys the law of diminishing returns: the majority of progress is done within the first few experiments, while the later ones contribute little, if at all. As a result, as the experimenter works more, the total progress proportional to the investment in time decreases, making the process inefficient. It follows, then, that the point where leisure pays higher than work is encountered sooner rather than later. This work was done in collaboration with Andrey Zarur (Ph.D., class of 2000).

Mad Science

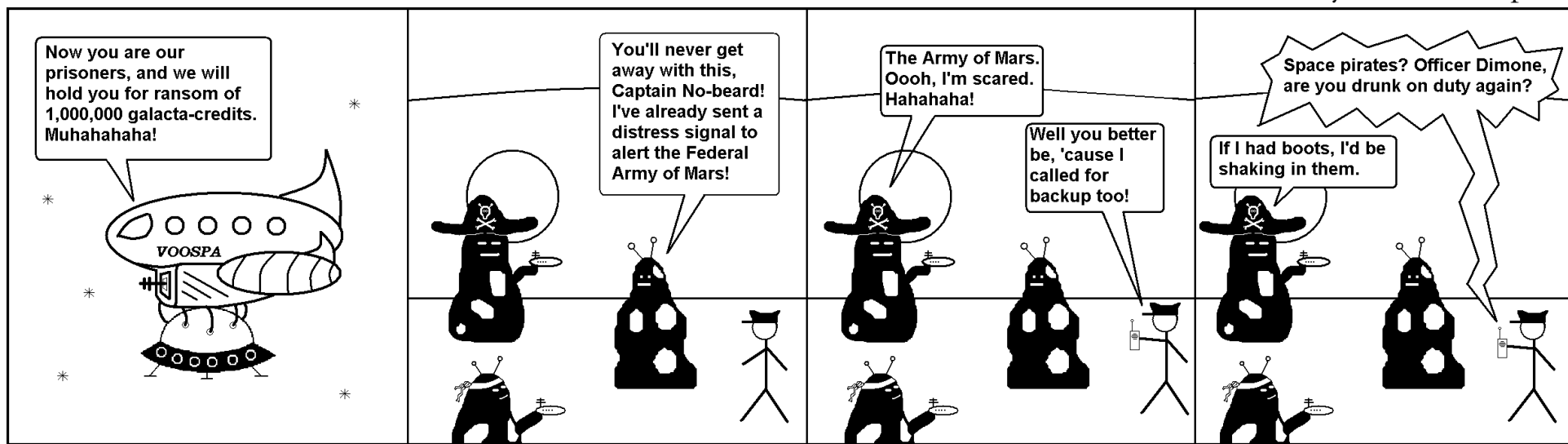
by Scott Berdahl



In spite of what they may think, nerds  
really just aren't all that funny.

OVNI

by Roxana Safipour



Crossword Puzzle

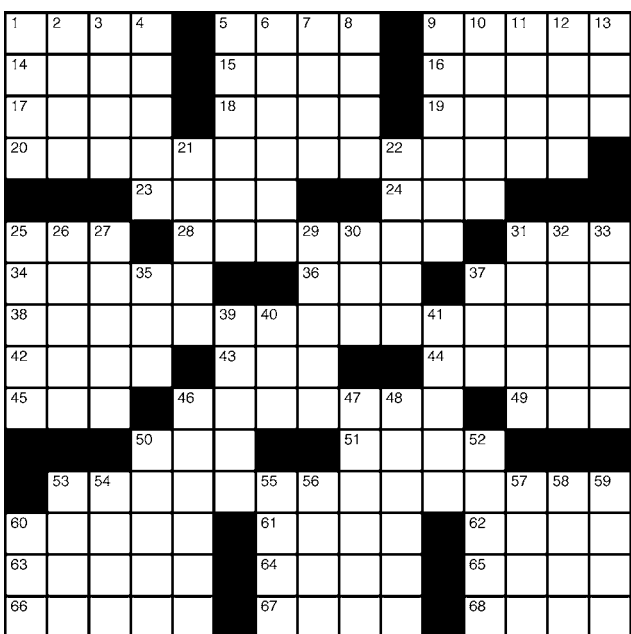
Solution, page 10

ACROSS

- 1 Shows curiosity
- 5 Secular
- 9 Calligraphy line
- 14 Declaim loudly
- 15 Computer's fix-it button
- 16 Sidestep
- 17 Musical group
- 18 Thorn site
- 19 Egg carton quantity
- 20 Take it slow
- 23 Father of France
- 24 PAT value
- 25 Wildebeest
- 28 Harbingers
- 31 Kettle and Barker
- 34 Cruise ship
- 36 \_\_\_ Dawn Chong
- 37 Nebraska neighbor
- 38 In automatic mode
- 42 Tolerate
- 43 Six-shooter

- 44 Honshu city
- 45 6th sense
- 46 Mrs. Roosevelt
- 49 Spearheaded
- 50 To's partner
- 51 Leaf-cutters, e.g.
- 53 Go nowhere fast
- 60 Put on
- 61 Heavenly bear
- 62 Mob scene
- 63 Expletives
- 64 Romanov ruler
- 65 Encourage
- 66 Quarterback Favre
- 67 Framing upright
- 68 Persian comment

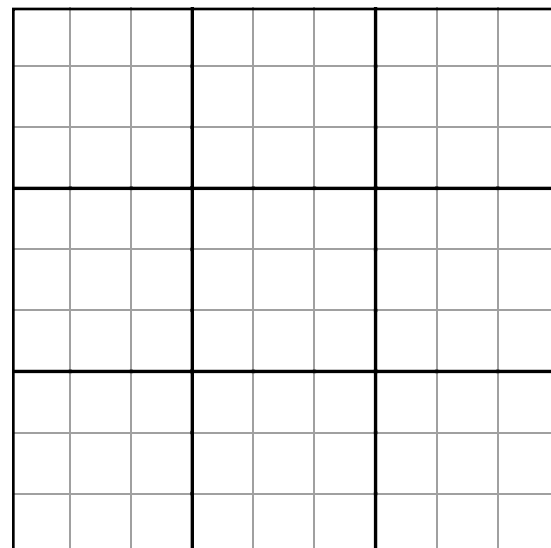
- 6 Stamen feature
- 7 \_\_\_ fixe (obsession)
- 8 Barbershop item
- 9 Family cars
- 10 Conjure up
- 11 Bring down the house
- 12 \_\_\_ of March
- 13 Marshland
- 21 Indian statesman
- 22 Broncobuster's milieu
- 25 Boston daily
- 26 Baseball groups
- 27 Flip a lid off
- 29 Scene of action
- 30 Varnish resin
- 31 Fable's lesson
- 32 Finished napping
- 33 Dish with dressing
- 35 Miss the mark



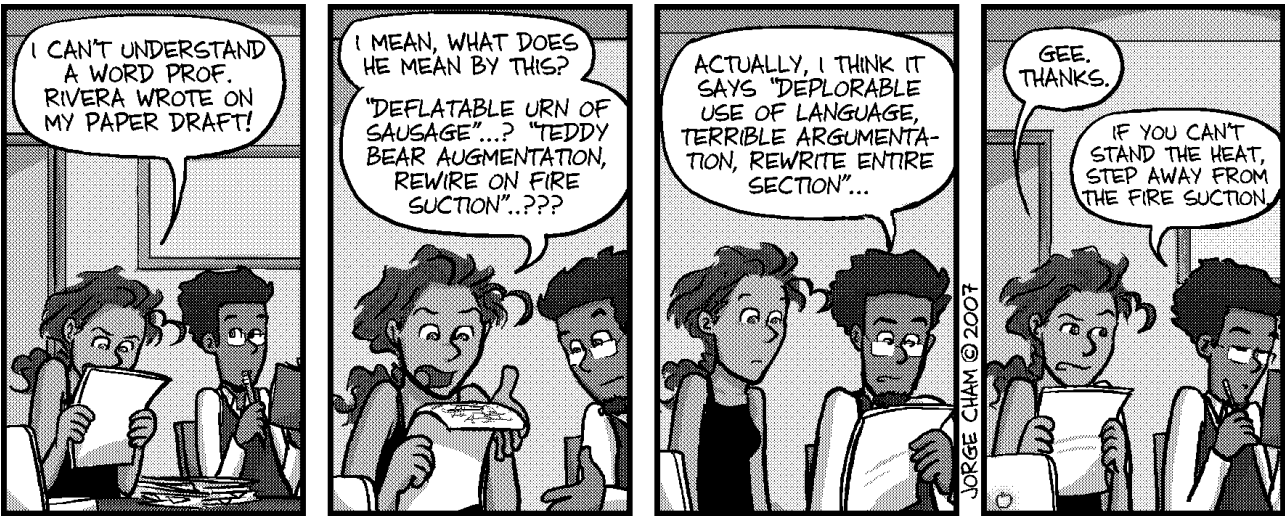
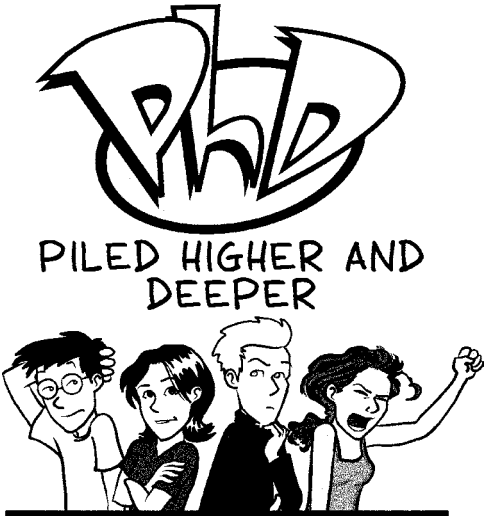
- 37 \_\_\_ now or never!
- 39 Arctic shelter
- 40 Take to court
- 41 Sea east of Great Britain
- 46 Writer Hemingway
- 47 Caribbean destination
- 48 Ahead
- 50 Hostile engagement
- 52 Blood component
- 53 Headliner
- 54 \_\_\_ de foie gras
- 55 Darn!
- 56 Once, once
- 57 Shamrock land
- 58 Company emblem
- 59 Brood
- 60 Blubber

su | do | ku

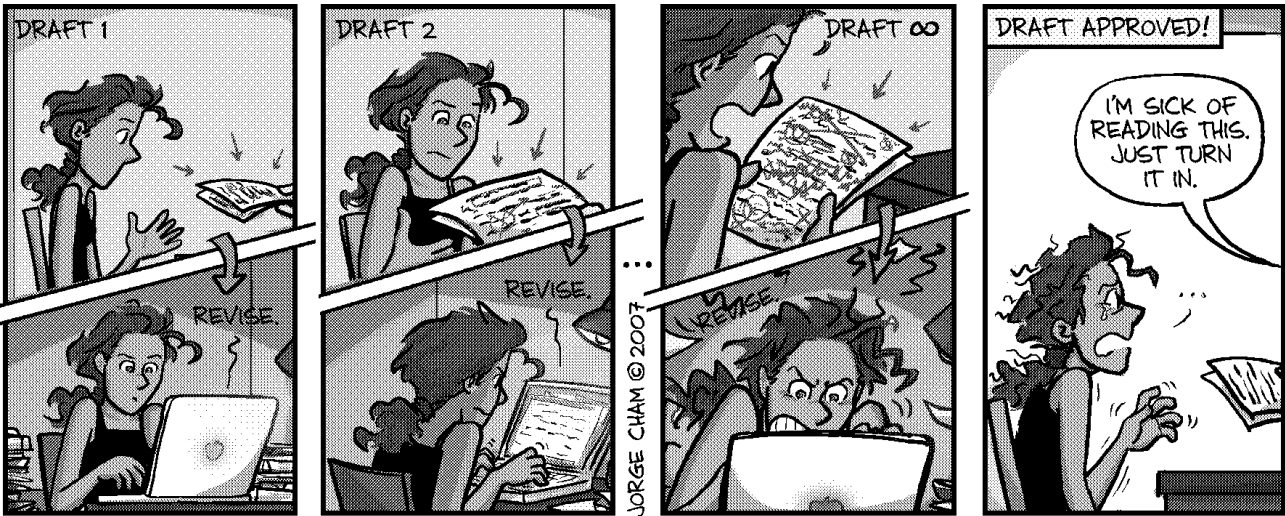
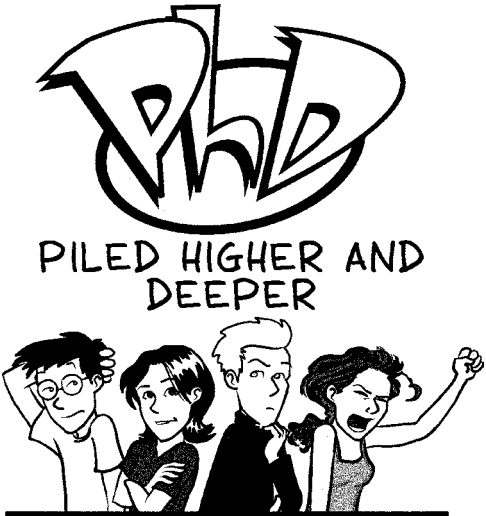
© Puzzles by Pappocom



Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.  
Solution, tips, and computer program at <http://www.sudoku.com>; see also solution, page 10.



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### Sports Shorts, continued

Sports Shorts, from Page 16

the opening half to advance past the opening round for the first time since 2002.

Amy S. Ludlum '08 set up both of Saturday's finishes with great touch on two counter-attacks. Midfielder Janine M. Hopmans '08 lit the board for MIT (12-5-0) in the third minute after taking a pass by Ludlum to the left side of the net where she sent a ground shot past a pursuing defender as well as Smith keeper Lauren Bachtel. The shot from eight-yards out resulted in Hopmans' seventh goal of the campaign.

Less than two minutes later, the Cardinal and Gray upped its lead to two off the foot of forward Jean E. "Liz" Theurer. Ludlum served a beautiful ball to Theurer, who split two defenders en route to her 11th score of the season, although Theurer ignited the opportunity with a through ball to Ludlum at midfield.

With the victory, the Engineers advanced to the semifinals of the NEWMAC Tournament for the first time since making their lone run to the conference final in 2002, while tying for the second-highest single-season win total in team history. It also improved MIT's home record in 2007 to 8-1-0.

Ludlum's two assists gave her 51 points and set a new Institute record for points in a season in the history of the men's and women's programs.

—James Kramer, DAPER Staff

### Tech Duo Named Sailors of the Week

Four weeks after being selected to the Inter-Collegiate Sailing Association All-Academic Team, John M. "Jack" Field '08 and Julie C. Arsenault '08 have hit the top of the charts again. Field, the skipper, and crew Arsenault were named New England Intercollegiate Sailing Association Sailors of the Week for their outstanding performance in last weekend's Schell Trophy.

Battling west to northwest winds, Tech's dynamic A-Division duo finished second in its circuit, leading the Engineers to the overall win among 18 teams along the Charles River. The victory also clinched a berth for MIT at the Atlantic Coast Championship in Florida on Nov. 13-14.

To make the outing incredibly remarkable, Field and Arsenault recovered from 18th and 17th place finishes in the first and third rounds, respectively. They finished in the top five in 10 of the remaining 15 rounds, with no rankings worse than ninth.

"This past weekend, we had a truly stunning victory," Arsenault said. "We took first in the Schell Trophy, which is something MIT hasn't been able to do for 27 years. It was truly a competitive regatta, with many of the nation's top sailors attending."

—Jeff Lemieux, DAPER Staff

### Water Polo Claims Small College Crown

MIT's water polo team captured its second title of the weekend on Sunday afternoon by virtue of a 12-10 win over Division II Mercyhurst College in the Collegiate Water Polo Association Small College Championship game. Less than 24 hours earlier, the Engineers defeated Washington and Jefferson College to claim the CWPA Division III Eastern Championship.

The entire tournament was hosted by MIT in the Zesiger Center Pool.

Devin M. Lewis '10, who led the Cardinal and Gray with 14 goals over the course of the weekend, was named the Division III Tournament Most Valuable Player. Goalkeeper Nicholas A. Souza '10 and Morgan S. Laidlaw '08 earned First Team accolades, while teammates Michael R. Smith-Bronstein '09 and John V. Preis '11 were named to the Second Team.

Sunday afternoon's meeting with Mercyhurst was a tense battle from start to finish. A defensive-minded first half from both sides saw MIT take a 4-2 lead into the break, but a three-goal outburst to open the third quarter stretched Tech's advantage to 7-2, as the Engineers threatened to bust the game open. However, the Lakers stormed back with five unanswered goals to even the score at 7-7 heading into the final period. The teams traded goals to begin the fourth, but a Brian C. Gardiner '11 man-advantage strike sparked a three-goal run that put MIT up, 12-9. Mercyhurst cut the lead to 12-10 by converting a penalty throw with 30 seconds remaining, but the Engineers subsequently ran out the final half-minute to seal the title.

MIT will return to action this weekend when it will host the CWPA Northern Division Championships on Saturday, Nov. 3 and Sunday, Nov. 4.

—Jeff Lemieux, DAPER Staff

# Sport Taekwondo Takes Second At Ivy Northeast Season Opener

By Aaron Sampson  
TEAM MEMBER

The MIT Sport Taekwondo Club hosted the first tournament of the Ivy Northeast Collegiate Taekwondo League season on Sunday, Oct. 14. The tournament was attended by colleges from throughout the northeast. MIT finished with 484 points, behind only Cornell University with 698. In third place was Harvard University with 148 points.

The tournament began with forms, or poomsae competition, with involves the execution of a pattern of specific moves unique to belt level.

In the red belt forms competition, MIT's Christopher J. Han '09 took first place in the men's division, while Christine M. Lee '09 finished third on the women's side. Ning Wu G took first place in men's blue belt forms.

MIT performed especially well in the green belt forms competition, with Wenxian Hong '10 and Vijay Umapathy '10 taking first and second place, respectively, for the men, and

Stephanie R. Chiang '08 and Elisabeth M. Markham '09 also securing the top two spots in the women's competition.

In the white and yellow belt division, new club member Rafael A. Raya '11 took second place.

With the conclusion of the forms competition, the tournament progressed to sparring, starting with the A-Team (advanced) competition. Despite very strong competition at the A-Team level, both MIT's Men's A1 (Wu, Han, and Forrest W. Liau G) and Women's A1 (Karolina A. Corin G, Miranda J. Ha G, and Corinna Hui '09) finished in third place.

Following the A-Team matches was the C-Team (novice) division. In one of MIT's most impressive showings, the Women's C1 (Ranbel F. Sun '10, Han Zhu '09, and Chiang) and Women's C2 (Jennifer T. Huang '08, Stephanie E. Nix '09, and Markham) swept first and second place.

D-Team (beginner) sparring came next, giving some of the club's newest members the chance to experience competition for the first time.

MIT's Men's D1 team (Matthew A. Pagan '11, Raya, and Mitchell J. Kelley '11) finished in second place. Tied in third place were MIT's Men's D2 (Elvine P.B. Pineda '11, Xiaoxi "Josh" Wang '11, and Frederick A. Baba '10) and D3 (Matthew G. Escoto '11).

In the women's D-Team division, MIT's D1 team (Jing "Jenny" Cheng '11, Shammie S. Quddus '10, and Elizabeth M. George '08) took first place.

The tournament ended with the fierce competition of B-Team (intermediate) sparring. MIT's Men's B1 (Wu, Han, and Liau) finished in third place, tied with MIT Men's B2 (Arpun R. Nagaraja '09, Jason J. Uh '10, and Jamie B. Edwards '08).

MIT's women's B-Teams also performed well, with MIT's B1 (Ha, Hui, and Chiang) taking first place over a strong team from Cornell. MIT's Women's B3 (Sun, Nix, and Christine Chin '09) finished in third place.

MIT will seek to take over the lead from Cornell at the second tournament of the season, which will take place on Sunday, Nov. 11.

# Teams Hope to Qualify for NCAA Div. III Nat'l Championship Next

Cross Country, from Page 16

Leading the charge to the finish was NEWMAC Runner of the Year Jacob J. Ruzevick '09 who won in a course record of 25:58. Finishing second was Jeremiah R. "Yermie" Cohen '09 (26:21) who fended off Coast Guard's top runner after a neck and neck battle over the last two miles of the course.

A deluge of MIT uniforms quickly secured places four through eight, consisting of team co-captain Joseph D. Roy-Mayhew '08 (26:29), Hemagiri Arumugam '10 (26:31), Jack H. Bourbonnais '10 (26:33), Trevor B. Rundell '09 (26:37), and M. Brian Jacokes G (26:37).

Arumugam had a dramatic surge to the finish, moving from nearly 15th place to fifth over the final 800 meters. Spectators did not have to wait long for the next exciting finish as Rundell barely out leaped teammate Jacokes as they sprinted to the line. Close behind the duo was Gihan S. Amarasiriwardena '11 (26:43) who earned top honors as NEWMAC Rookie of the Year.

The MIT women employed a different strategy, hanging back for the first mile and allowing competitors to lead the race. Tech women dominated the second and third miles of the five-kilometer course. MIT passed the competition as athletes who ran too fast in the first mile foundered on Smith's legendary hills.

The women's team effort was led by Maria J. Monks '10, who finished fourth in 19:36, crossing the line 27

seconds behind winner Nora Youngs of Smith College. Teammate Elisabeth M. Finn '09 followed closely behind, placing fifth in 19:38. The tight trio of Jennifer A. Doyle '09 (19:57), Kathryn A. Gordon '11 (20:03), and Adrienne M. Bolger '09 (20:04) closed out the scoring for MIT in 12th, 14th, and 15th place respectively, with Doyle and Gordon joining Monks and Finn in earning All-NEWMAC honors. Gordon was also the first freshman to cross the line, earning the title of NEWMAC Rookie of the Year.

Jacqueline M. Wentz '10 and Elizabeth L. Labuz '09 rounded out

the MIT top seven by finishing 22nd and 25th, respectively. Alina E. Gatoski '11 and Anna M. Holt-Gosselin '11 followed in 34th and 64th, and Leanne M. Veldhuis '08 earned a personal course record.

With the conference championship behind them, the Engineers are looking forward to the Division III New England Regional Championship on Saturday, Nov. 10 at Connecticut College, Conn. At this meet, they will be vying to qualify for the National Collegiate Athletic Association Division III National Championship, to be held on Nov. 17 at St. Olaf College, Minn.



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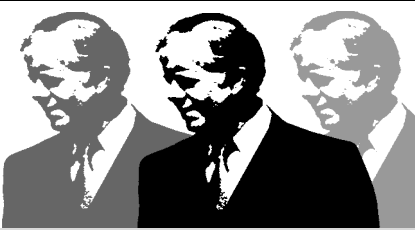
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SPORTS

Cross Country Teams Compete In NEWMAC; Both Win Titles

By Jeremiah Cohen and Maria Monks

TEAM MEMBERS

The MIT men's and women's cross country teams traveled to Smith College on Saturday, Oct. 28, to compete in the New England Men's and Women's Athletics Conference Championship.

The men's team clinched a 10th straight title, remaining the only team to have won the NEWMAC championship since the

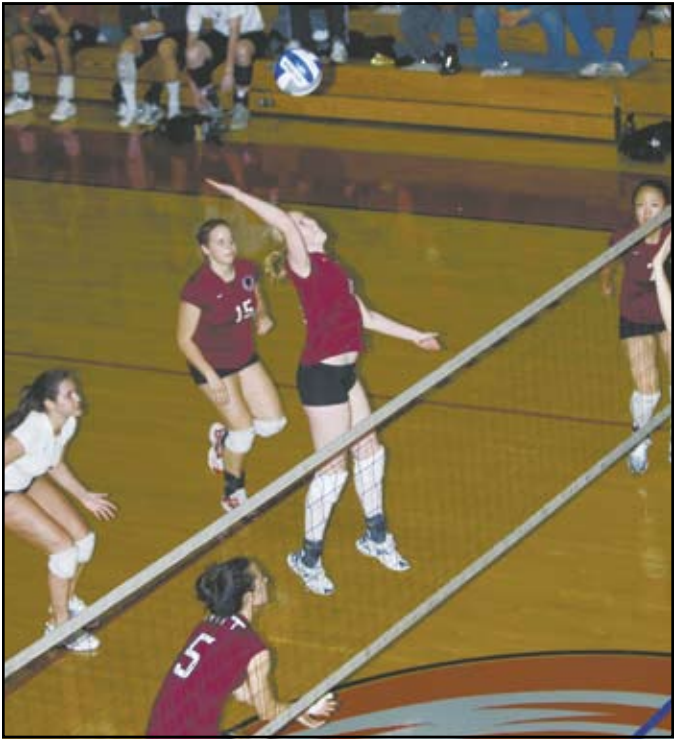
inception of the conference. Scoring a near-perfect 18 points, the men dominated the eight-kilometer course with 10 of the top 14 runners, well ahead of runners-up U.S. Coast Guard Academy (52 points) and third place Springfield College (97 points).

The women's team conquered the five-kilometer course and won their third ever NEWMAC championship, scoring 50 points against Wheaton College (72 points) and Smith College (118 points). The weather also provided ample competition, as the

persistent rain throughout the day made for muddy conditions on the hilly course.

The men's team went into the race confident in their physical ability and race strategy. Taking nothing for granted, Tech's top runners took the lead from the start, stringing out the few competitors who went with them. Following closely in pursuit was a peloton of MIT runners that ran down several competitors who were fading into exhaustion.

Cross Country, Page 15



WILLIAM YEE—THE TECH

Katherine C. Rowe '10 leaps for the ball during Tuesday's volleyball game against Mount Holyoke College. The Engineers advanced to the semifinals after sweeping the Lyons 3-0.

UPCOMING HOME EVENTS

<b>Friday, Nov. 2, 2007</b>		
Women's Volleyball vs. Coast Guard	5 p.m., Rockwell Cage	
<b>Saturday, Nov. 3, 2007</b>		
Men's Water Polo vs. Iona College	11:30 a.m., Zesiger Center	
Women's Volleyball, NEWMAC Championship Tournament Finals	4 p.m., Rockwell Cage	
Sailing, No Ringer Invitational	All Day, Charles River	
<b>Sunday, Nov. 4, 2007</b>		
Men's Water Polo, Northern Division Championship Tournament	8 a.m., Zesiger Center	
Sailing, Crews Regatta	All Day, Charles River	

Women's Volleyball Sweeps Mt. Holyoke in Quarterfinal

MIT, ranked No. 25 nationally, defeated Mount Holyoke College, 30-10, 30-19, 30-22, in a New England Women's and Men's Athletic Conference Women's Volleyball Championship Tournament quarterfinal match on Tuesday. The Engineers (33-1) will host the remainder of the tournament and square off with U.S. Coast Guard Academy at 5 p.m. today in a semifinal match up.

After trading points to start the match, MIT mounted a 14-2 run which was keyed by strong serving from Amanda J. Morris '08. With a 19-6 advantage, a serve of Lindsay E. Hunting '09 set off another six-point spurt by the Engineers that put the game out of reach.

Mount Holyoke maintained a two-point edge during the early stages of the second game. Trailing 11-9, MIT won the ensuing serve and then took the lead on back-to-back hits from Kelsey K. Cappelle '11. The Lyons immediately evened the contest at 12; however, the Engineers countered with four unanswered points for their largest advantage of the game. Mount Holy-

oke closed the gap to three (16-13) on a service error, but it would not be enough as MIT captured 14 of the final 20 points for the victory.

The Engineers raced out to a 10-2 advantage in the third game. The Lyons slowly chipped away at the deficit, eventually narrowing their margin to five (17-12). MIT responded by doubling its lead for a score of 26-16. After exchanging points, Rosa Marruffo's prowess at the service line sparked a late rally that brought Mount Holyoke once again within five (27-22). The Cardinal and Gray won the ensuing point and thwarted the comeback with a blast by Anna D. Dikina '11 from the back row. A kill by Emily Obert '11 clinched the match and sent MIT to its 10th consecutive NEWMAC semifinal appearance.

—Mindy Brauer, DAPER Staff

Early Offense Helps Women's Soccer Top Smith

MIT advanced to the semifinals of the NEWMAC Women's Soccer Tournament after topping Smith College, 2-0, at Steinbrenner Stadium. The Engineers scored both of their goals in the first five minutes of

Sports Shorts, Page 15

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